Manitoba Agriculture
Yearbook 2003

Manitoba

Building for the Future

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FOREWORD

This publication is the forty-first in the Yearbook series initiated in 1963. The same format, which includes recent and historical data from 1960, has been continued for the convenience of users. Minor changes are made annually whenever new or more detailed information becomes available. Please note that some totals may not add due to rounding and metric/Imperial conversions. Statistics published are based on available information as of August 1, 2004.

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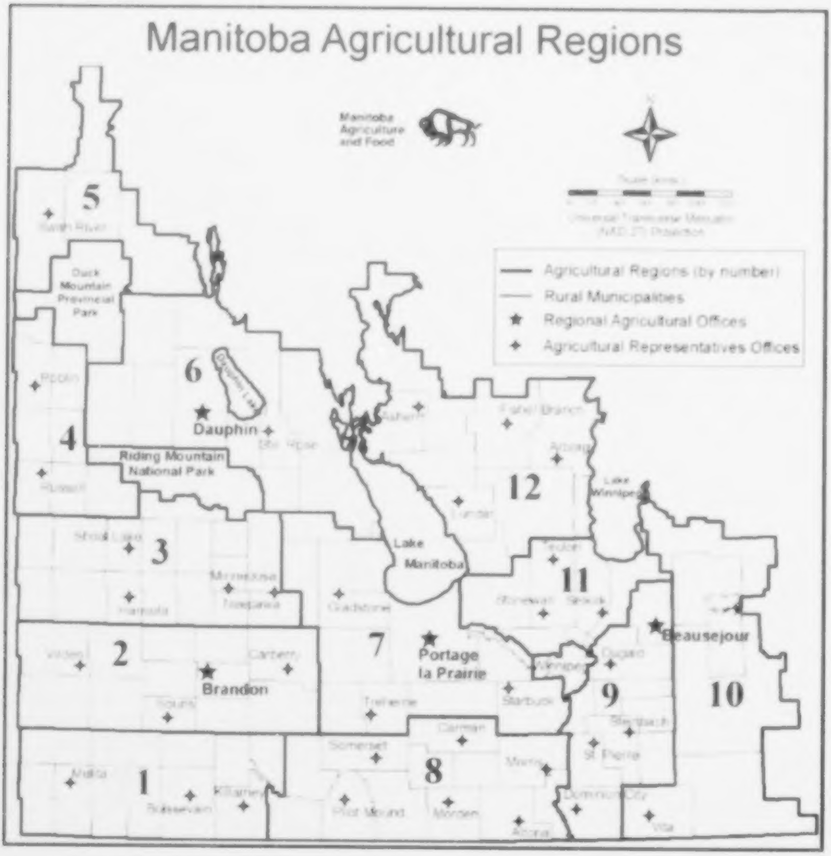
MAP 1: Manitoba Agricultural Regions


Manitoba Agricultural Regions
Manitoba Agriculture and Food
N
Agricultural Regions (by number)
Rural Municipalities
Regional Agricultural Offices
Agricultural Representatives Offices
5
Swan River
Duck Mountain Provincial Park
6
Dauphin Lake
Dauphin
Ste. Rose
Roblin
4
Russell
Riding Mountain National Park
3
Shoal Lake
Minnedosa
Hamiota
Neepawa
Ashern
Fisher Branch
Arborg
12
Lundar
Lake Winnipeg
Lake Manitoba
Teulon
11
Stonewall
Selkirk
Beausejour
Gladstone
7
Portage la Prairie
2
Virden
Carberry
Brandon
Souris
Treherne
Starbuck
Winnipeg
Dugald
9
10
Steinbach
St. Pierre
Carman
Somerset
8
Morris
1
Melita
Boissevain
Killarney
Pilot Mound
Morden
Altona
Dominion City
Vita

Administrative Region Name	Agricultural Region Numbers
Southwest	1, 2, 3
Northwest	4, 5, 6
Central	7, 8
Eastern/Interlake	9, 10, 11, 12

2003 IN REVIEW

TABLE 1: **Manitoba Agriculture in Perspective - Relationship to Canadian Agriculture**

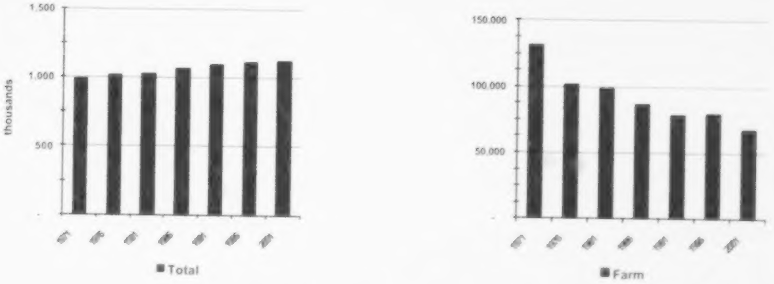
	Canada	Manitoba	Percent of Canada
	thousand tonnes		
Crop Production 2003			
Wheat (all)	23,552.0	4,162.5	17.7
Oats	3,691.0	1,095.0	29.7
Barley	12,327.6	1,371.7	11.1
Canola	6,669.2	1,769.0	26.5
Flaxseed	754.4	195.6	25.9
	million bushels		
Wheat (all)	865.4	152.9	17.7
Oats	239.3	71.0	29.7
Barley	566.2	63.0	11.1
Canola	294.1	78.0	26.5
Flaxseed	29.7	7.7	25.9
Livestock and Poultry, 2003			
Cattle and Calves, July 1 (000s)	15,738.2	1,590.0	10.1
Hogs, July 1 (000s)	14,837.7	2,850.0	19.2
Sheep and Lambs, July 1 (000s)	1,249.0	82.0	6.6
Chicken Egg Sales (million dozen)	511.3	70.8	13.9
Milk and Cream Sales (000 kl)	7,552.3	289.8	3.8
Inspected Livestock Slaughtered, 2003			
Cattle and Calves (000s)	3,485.3	18.8	0.5
Hogs (000s)	22,288.1	4,262.5	19.1
Sheep and Lambs (000s)	508.6	2.8	0.6
	thousand dollars		
Farm Income, 2003			
Total Cash Receipts	34,122.3	3,545.9	10.4
Net Total Operating Expenses	29,970.6	3,093.6	10.3
Realized Net Income (incl. dep.)	-312.1	34.2	-
Resources, 2001 (Census)			
Land in Farms (hectares)	67,502,446	7,601,779	11.3
Improved Land (hectares)	45,880,044	5,354,037	11.7
Crop Land (hectares)	36,395,150	4,714,830	13.0
Land in Farms (acres)	166,802,197	18,784,407	11.3
Improved Land (acres)	113,372,075	13,230,114	11.7
Crop Land (acres)	89,934,387	11,650,599	13.0
Farm Numbers	246,923	21,071	8.5
Farm Population	727,130	68,135	9.4
Tractors on Farms	732,521	69,209	9.4
	million dollars		
Capital Investment, 2003	198,204.5	15,205.8	7.7
Land and Buildings	150,949.7	10,306.0	6.8
Machinery and Equipment	33,928.2	3,527.5	10.4
Livestock and Poultry	13,326.5	1,372.3	10.3

SOURCE: Statistics Canada, Agriculture & Agri-Food Canada, CFIA.

TABLE 2: Farm Structure

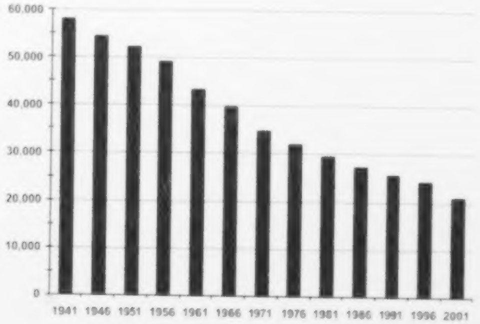
	1971	1976	1981	1986	1991	1996	2001
People							
Total Manitoba Population	988,247	1,021,506	1,026,241	1,063,016	1,091,945	1,113,898	1,119,583
Rural Population	N.A.	295,253	295,582	296,165	304,765	313,835	314,262
Urban Population	N.A.	726,253	730,659	766,851	787,175	800,063	805,321
Farm Population[1]	131,202	101,904	98,375	86,505	79,280	79,835	68,130
Rural[2] Farm Population	Not available.				78,080	78,470	67,190
Urban[3] Farm Population					1,195	1,370	940
Land							
Total Manitoba Land Base (000 units)							
Hectares	54,770.5	54,770.5	54,770.5	54,770.5	54,770.5	54,770.5	54,770.5
Acres	135,340.8	135,340.8	135,340.8	135,340.8	135,340.8	135,340.8	135,340.8
Farmland (000 units)							
Hectares	7,692.4	7,699.7	7,615.9	7,740.2	7,725.0	7,732.1	7,601.8
Acres	19,008.3	19,026.3	18,819.4	19,126.5	19,088.9	19,106.5	18,784.4
Total Improved:							
Hectares	5,061.9	5,092.9	5,371.2	5,303.5	5,399.3	5,379.0	5,354.0
Acres	12,508.2	12,584.9	13,272.6	13,105.2	13,342.1	13,291.9	13,230.1
Land in Crops:							
Hectares	3,691.7	3,847.5	4,420.4	4,519.3	4,761.1	4,699.1	4,714.8
Acres	9,122.5	9,507.5	10,923.0	11,167.5	11,764.8	11,611.8	11,650.6
Summerfallow:							
Hectares	1,074.5	934.1	598.3	509.2	297.0	323.7	255.7
Acres	2,655.2	2,308.2	1,478.5	1,258.3	733.9	799.8	631.9
Improved Pasture & Other:							
Hectares	295.6	311.3	352.5	274.9	341.3	356.2	383.5
Acres	730.5	769.2	871.1	679.4	843.3	880.3	947.6
Unimproved Pasture & Hayland:							
Hectares	2,630.5	2,606.7	2,244.7	2,436.7	1,750.5	1,653.8	1,580.4
Acres	6,500.1	6,441.4	5,546.8	6,021.3	4,325.6	4,086.7	3,905.2
All Other Land:							
Hectares	Included in the above Unimproved Pasture & Hayland				575.1	699.3	667.4
Acres					1,421.2	1,728.0	1,649.1
Farms and Finances							
Census Farms	34,981	32,104	29,442	27,336	25,706	24,383	21,071
Average Size - Census Farms							
Hectares	220	240	259	283	300	317	361
Acres	543	593	639	700	743	784	891
Average Value per Unit							
Hectares	$178.65	$416.65	$1,028.86	$850.66	$882.12	$1,097.68	$1,296.89
Acres	$72.30	$168.61	$416.36	$344.25	$356.98	$444.22	$524.83
Average Capital per Farm	$58,764	$141,253	$354,968	$349,525	$399,010	$518,213	$726,346
Type of Organization							
Sole Proprietorship	32,183	29,748	25,701	22,869	17,017	15,340	12,322
Partnership							
With written agreement	2,094	973	688	761	1,125	1,092	900
With no written agreement		...	1,965	2,468	5,950	5,755	5,494
Corporation							
Family	548	1,089	882	1,035	1,279	1,719	1,936
Other	67	165	85	81	207	372	356
Other	89	129	121	122	128	105	63
Tenure of Operators							
No. Reporting Owned Land	32,792	29,968	27,183	25,091	24,098	23,036	20,031
No. Reporting Rented Land	13,373	12,992	13,359	13,552	12,795	12,125	10,708

CHART 1: Manitoba Total and Farm Population



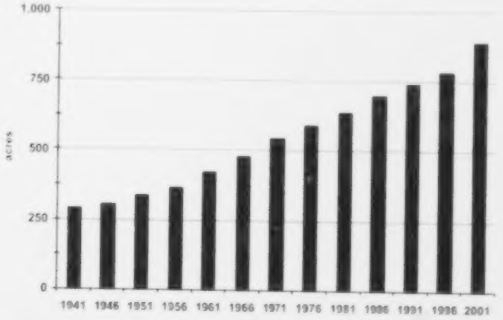
SOURCE: Statistics Canada, Census of Population
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives.

CHART 2: Number of Manitoba Census Farms



SOURCE: Statistics Canada, Census of Agriculture
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

CHART 3: Average Size of Manitoba Census Farms



SOURCE: Statistics Canada, Census of Agriculture
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

2003 VALUE OF FARM PRODUCTION

The total value of agricultural production in Manitoba in 2003 was estimated at a new record of $4,135.8 million. This represented a 4.8 percent increase from the revised 2002 value of $3,946.9 million. The value of crop production was a record $2,335.7 million, up by 6.0 percent from the 2002 value.

Livestock production was valued at a $1,699.7 million, 2.9 percent above the 2002 level.

TABLE 3: Gross Value of Agricultural Production

	1997^R	1998^R	1999^R	2000^R	2001^R	2002^R	2003
	million dollars						
Crops	1,858.2	2,007.9	1,548.9	1,753.7	1,834.6	2,203.7	2,335.7
Livestock and Products	1,158.4	1,156.1	1,278.8	1,561.1	1,790.3	1,652.1	1,699.7
Other (Honey & Wax, Bees, Fur, Wildlife, PMU, Forest, etc.)	68.1	64.7	66.1	61.7	70.8	91.2	100.4
TOTAL	**3,084.8**	**3,228.7**	**2,893.7**	**3,376.4**	**3,695.8**	**3,946.9**	**4,135.8**

TABLE 4: 2003 Summary of Crop Production

Crop	Harvested Hectares (000)	Yield Per Hectare (tonnes)	Production (000 tonnes)	Farm Value	
				$ Per (tonne)	Total ($000)
Wheat	1,406.3	3.00	4,162.5	149	618,490
Oats	364.2	3.00	1,095.0	127	139,070
Barley	404.7	3.40	1,371.7	118	162,030
Rye	20.2	2.50	50.8	129	6,570
Mixed Grains	4.0	2.10	8.2	118	960
Grain Corn	85.0	5.80	495.3	126	62,530
Canola	1,007.7	1.70	1,768.8	355	628,000
Flaxseed	157.8	1.20	195.6	355	69,440
Soybeans	89.0	1.70	149.7	349	52,260
Sunflower Seed	87.0	1.40	124.7	315	39,280
Buckwheat	6.1	0.90	5.4	332	1,790
Canary Seed	24.3	1.30	31.8	355	11,290
Dry Beans	89.0	1.85	165.5	445	73,650
Dry Peas	54.6	2.50	137.4	173	23,770
Fababeans	4.0	3.20	6.6	162	1,070
Hemp	2.3	0.70	1.7	1,102	1,900**
Lentils	1.6	1.70	2.7	391	1,060
Mustard Seed	10.1	1.00	10.4	368	3,820
Triticale	1.2	1.70	3.8	120	460**
Other Specialty Crops	NA	NA	NA	NA	7,100
Wild Rice (green basis)	NA	NA	0.5	2,205	1,000
Forage Seeds	NA	NA	NA	NA	19,930*
Fodder Corn	24.3	26.10	635.0	27	17,250
All Tame Hay	860.0	2.50	2,131.9	70	149,230
Straw for Processing	NA	NA	NA	NA	1,700
Horticulture:					
Potatoes	41	23.00	944.4	191	180,310
Vegetables	1.7	17.10	28.9	535	15,504
Fruits	0.3	2.60	1.9	3,020	3,063
Greenhouse & Mushrooms	NA	NA	NA	NA	36,200*
Nursery Products & Sod	NA	NA	NA	NA	9,500*
TOTAL	**4,750**				**2,335,682**

TABLE 4: Crop Production Continued

Crop	Harvested Acres (000)	Yield Per Acre (bushels)	Production (000 bu.)	Farm Value $ Per (bushel)	Farm Value Total ($000)
Wheat	3,475	44.0	152,950	4.04	618,490
Oats	900	78.9	71,000	1.96	139,070
Barley	1,000	63.0	63,000	2.57	162,030
Rye	50	40.0	2,000	3.29	6,570
Mixed Grains	10	40.0	400	2.40	960
Grain Corn	210	92.9	19,500	3.20	62,530
Canola	2,490	30.7	78,000	8.05	628,000
Flaxseed	390	19.7	7,700	9.02	69,440
Soybeans	220	25.0	5,500	9.50	52,260
		(pounds)	**(000 lb.)**	**(pound)**	
Sunflower Seed	215	1,279	275,000		39,280
		(bushels)	**(000 bu.)**	**(bushel)**	
Buckwheat	15	16.7	250	7.22	1,790
		(pounds)	**(000 lb.)**	**(pound)**	
Canary Seed	60	1,167	70,000	.161	11,290
Dry Beans	220	1,660	365,000	.202	73,650
		(bushels)	**(000 bu.)**	**(bushel)**	
Dry Peas	135	37.4	5,050	4.71	23,770
Triticale	3	50.0	150	3.16	460**
		(pounds)	**(000 lb.)**	**(pound)**	
Fababeans	10	1,450	14,500	0.073	1,070
Hemp	6	650	3,760	0.50	1,900**
Lentils	4	1,500	6,000	177	1,060
Mustard Seed	25	912	22,800	.167	3,820
Other Specialty Crops	NA	NA	NA	NA	7,100
Wild Rice (green basis)	NA	NA	1,004	1.00	1,000
Forage Seeds	NA	NA	NA	NA	19,930*
		(tons)	**(000 tons)**	**(ton)**	
Fodder Corn	60	11.7	700	25	17,250
All Tame Hay	2,125	1.1	2,350	64	149,230
Straw for Processing	NA	NA	NA	NA	1,700
		(cwt)	**(000 cwt)**	**(cwt)**	
Horticulture:					
Potatoes	101.5	205	20,821	8.66	180,310
Vegetables	4.2	130	544	24.30	15,504
Fruits	0.8	23	19	159.00	3,063
Greenhouse & Mushrooms	NA	NA	NA	NA	36,200*
Nursery Products & Sod	NA	NA	NA	NA	9,500*
TOTAL	**11,740**				**2,335,682**

* Assumes no change from previous year's value for 2003.

** Also included in Other Specialty Crops.

NOTE: Numbers may not all add due to rounding/metric-Imperial conversion.

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 5: 2003 Summary of Livestock Production

	Number (000)	Value Per Unit $	Total Value ($000)
CATTLE:			
Commercial Production (including exports)	618		
TOTAL CATTLE	618	820	507,000
HOGS:			
Commercial Production (including exports)			
TOTAL HOGS	7,330	109	798,000
LAMBS & WOOL:			
Lamb Marketings	53		
Wool sold or used on farms:			
- 000 kilograms	104		
- 000 pounds	229		
TOTAL LAMBS & WOOL			5,114
DAIRY PRODUCTS:			
Milk Equivalent - 000 kl	290		174,422
Supplementary Payments			0
TOTAL DAIRY PRODUCTS			174,422
POULTRY:			
Eggs (incl. hatching eggs) (000 dozen)	73,898		103,682
Meat (000 birds)	28,677		83,556
TOTAL POULTRY			187,238
OTHER LIVESTOCK:			
Bison, pheasants, wild boars, llamas, rabbits, slaughter horses, ostriches, goats, etc			27,900
TOTAL LIVESTOCK PRODUCTION			1,699,674

SOURCE: Statistics Canada; Agriculture and Agri-Food Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 6: 2003 Summary of Other Products

	Number	Total Value ($000)
Pregnant Mare's Urine (PMU) (Mares)*	25,700	61,294
Honey (tonnes)	6,618	28,101
Beeswax (tonnes)	99	371
Leafcutting Bees (million)	2,322	3,947
Fur-farm raised (pelts)*	42,020	2,117
Fur-wildlife (pelts)*	86,839	2,998
Forest Products & Christmas Trees	-	1,834
TOTAL OTHER PRODUCTS		100,662

* Season 2002/2003.

SOURCE: Statistics Canada, Ayerst Organics, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 7: Farm Input Price Indices (1992 = 100), 2001, 2002, 2003

	Western Canada			Canada		
	2001	2002^R	2003^P	2001	2002^R	2003^P
Total Farm Inputs	**132.9**	**130.9**	**137.4**	**129.5**	**128.5**	**132.7**
Building and Fencing	118.5	121.6	120.9	120.0	122.8	122.4
Machinery and Motor Vehicles	143.3	140.7	154.4	143.7	143.5	157.0
Crop Production	142.7	140.6	167.1	137.6	135.7	154.7
Animal Production	141.0	136.6	130.7	135.1	132.3	127.8
Supplies and Services	118.6	119.6	125.0	121.1	120.7	127.6
Hired Farm Labour	123.8	126.0	129.9	125.4	128.2	129.0
Property Taxes	121.4	127.9	136.0	112.6	118.9	126.4
Interest	89.2	83.7	82.7	90.5	84.9	83.9
Farm Rent	128.0	135.6	149.0	113.8	121.8	132.1

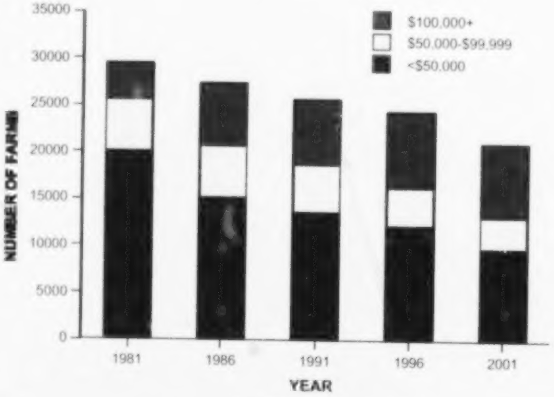
SOURCE: Statistics Canada, Prices Division - Cansim, May, 2004.

TABLE 8: Farm Product Price Indices (1997 = 100), 2002, 2003

	Manitoba		Canada	
	2002^R	2003^P	2002^R	2003^P
Total Index	**101.1**	**94.6**	**105.9**	**100.5**
Grains	108.8	93.2	110.9	95.6
Oilseeds	97.5	92.3	94.2	92.8
Specialty Crops	116.7	105.8	124.5	113.1
Fruit	96.0	100.6	104.1	103.4
Vegetables	113.8	103.5	111.8	111.0
Potatoes	108.7	103.5	166.6	137.2
Total Crops	**105.0**	**94.6**	**108.5**	**100.2**
Cattle & Calves	110.1	103.5	118.1	105.7
Hogs	84.0	82.0	76.1	74.9
Poultry	96.6	100.2	91.8	95.6
Eggs	80.3	83.3	102.8	101.9
Dairy	114.6	120.4	112.1	119.1
Total Livestock	**97.8**	**95.7**	**103.7**	**101.0**

SOURCE: Statistics Canada, Cat. No. 21-007-XIB, June, 2004.

CHART 4: Farms Classified by Farm Cash Receipts, 1981 – 2001



SOURCE: Statistics Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

TABLE 9: Farm Cash Receipts, 2000 - 2003

	2000	2001[R]	2002[p]	2003[p]
	- thousand dollars -			
Wheat-excluding Durum	352,835	445,212	488,088	429,008
Wheat-excluding Durum, CWB Payment[1]	88,463	127,049	158,553	16,073
Durum Wheat	3,170	9,401	8,811	5,591
Durum Wheat, CWB Payments[1]	2,851	4,647	2,957	1,039
Total Wheat	**356,005**	**454,613**	**496,899**	**434,599**
Total Wheat, CWB Payments[1]	**91,314**	**131,696**	**161,510**	**17,112**
Oats	68,208	95,986	124,780	112,992
Barley	41,939	90,720	83,856	36,668
Barley, CWB Payments[1]	3,119	2,887	1,114	4,185
Deferred Grain Receipts	-115,838	-170,889	-141,915	-139,329
Liquidation of Deferred Grain Receipts	127,498	118,684	161,633	141,154
Rye	4,579	3,893	2,422	2,484
Flaxseed	47,099	50,203	83,858	58,106
Canola	324,316	363,892	484,400	530,025
Soybeans	0	2,016	19,423	35,455
Corn	20,168	20,167	32,023	41,094
Sugar Beets	0	0	0	0
Potatoes	111,288	131,309	132,765	138,130
Greenhouse Vegetables	460	332	324	444
Other Vegetables	27,809	32,134	30,389	26,682
Apples	76	0	0	0
Strawberries	1,600	2,250	1,625	1,175
Other Berries	551	625	645	460
Floriculture and Nursery	35,084	35,382	37,354	37,642
Mustard Seed	752	2,411	4,955	5,301
Sunflower Seed	24,259	29,202	42,201	47,237
Lentils	3,950	2,364	536	710
Canary Seed	2,786	4,818	10,952	11,052
Dry Beans	68,493	42,774	51,752	66,616
Dry Peas	14,798	19,228	29,431	20,655
Forage and Grass Seed	19,184	13,461	18,458	16,899
Hay and Clover	18,305	20,099	20,184	15,288
Forest Products	2,000	1,812	1,792	1,732
Christmas Trees	115	130	100	102
Miscellaneous Crops	12,613	17,209	21,665	18,997
TOTAL CROPS	**1,312,530**	**1,519,408**	**1,915,131**	**1,683,667**
Cattle	367,376	463,317	455,883	288,597
Calves	116,819	106,224	104,537	56,093
Hogs	669,727	805,672	718,951	754,381
Sheep	149	155	118	127
Lambs	10,071	10,029	9,660	7,321
Dairy Products	154,029	157,999	163,924	174,422
Hens and Chickens	56,503	64,026	61,177	63,345
Turkeys	17,797	17,025	17,094	18,098
Hatcheries	7,672	10,299	11,508	8,976
Eggs for Hatching	510	458	364	303
Eggs for Consumption	59,366	57,650	59,622	62,980
PMU, Horses and Embryos	56,595	64,321	71,769	73,471
Wool	87	97	95	70
Honey	12,733	15,320	24,279	26,058
Furs	1,213	1,625	1,636	1,151
Miscellaneous Livestock	20,265	21,468	20,575	18,577
TOTAL LIVESTOCK AND PRODUCTS	**1,550,912**	**1,795,685**	**1,721,192**	**1,553,970**
NISA Payments	61,628	58,642	77,725	86,554
Crop Insurance Payments[2]	53,954	86,492	76585	86,375
Private Hail Insurance	19,708	15,383	16,977	9,493
Income Disaster Assistance Program	45,101	117,593	45,951	26,560
Provincial Stabilization Program	0	0	0	0
Dairy Subsidy	2,167	1,277	258	0
Other Payments	104,535	102,7660	1,467	99,271
TOTAL DIRECT PAYMENTS	**287,093**	**382,147**	**218,963**	**308,253**
TOTAL CASH RECEIPTS	**3,150,535**	**3,697,240**	**3,855,286**	**3,545,890**

[1] Participation payments made by the CWB to producers for crops delivered in previous year

[2] Includes payments under the Crop Insurance Act and private hail insurance plans

SOURCE: Statistics Canada, May 27, 2004.

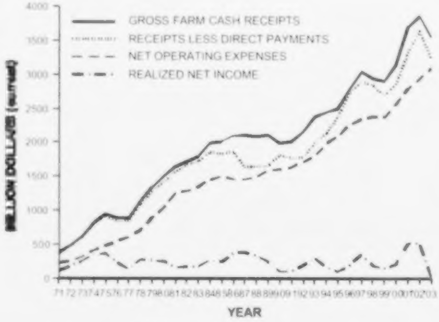
TABLE 10: Farm Expenditures, 2000 - 2003

	2000	2001	2002^{P}	2003^{P}
	- thousand dollars -			
Property Taxes	60,322	60,382	64,005	64,197
Cash Rent	113,466	119,707	130,481	134,134
Share Rent	24,883	24,037	28,796	30,524
Cash Wages and Room & Board	214,839	243,198	261,438	276,079
Interest	232,240	231,155	222,300	227,592
Repairs to Buildings & Fences	53,047	55,699	56,813	56,472
Electricity	60,178	61,382	61,197	61,809
Telephone	22,564	23,692	24,332	24,575
Heating Fuel	18,062	22,939	23,398	28,241
Machinery Fuel	185,562	187,418	172,424	187,253
Machinery Repairs & Other	204,939	215,186	228,097	237,221
Business Insurance	38,521	39,677	42,851	44,565
Custom Work	88,178	94,410	103,851	106,758
Stabilization Premiums	7	9	3	0
Crop & Hail Insurance	45,665	47,347	51,816	65,125
Fertilizer	291,214	351,938	337,860	442,597
Pesticides	231,052	228,741	239,263	238,306
Commercial Seed	94,862	95,810	112,768	133,066
Twine, Wire & Containers	11,860	12,572	12,974	13,843
Commercial Feed	350,698	420,838	505,006	494,906
Livestock & Poultry Purchases	70,274	96,610	86,704	57,110
A.I. & Veterinary Fees	45,256	48,877	53,471	54,540
Legal & Accounting Fees	58,340	61,840	63,696	67,581
Other	47,426	46,951	45,543	47,137
Operating Expenses	**2,563,455**	**2,790,415**	**2,929,087**	**3,093,631**
Depreciation on Buildings	35,404	35,558	35,997	37,171
Depreciation on Machinery	351,529	362,308	361,357	389,073
Total Depreciation	**386,933**	**397,866**	**397,354**	**426,244**
TOTAL EXPENSES	**2,950,388**	**3,188,281**	**3,326,441**	**3,519,875**
SOURCE: Statistics Canada, May 27, 2004.				

FARM CASH RECEIPTS

Farm cash receipts include proceeds from the sales of agricultural products sold off farm through regular market channels. All deficiency, subsidy, supplementary and final Canadian Wheat Board payments are included. In 2003, total cash receipts were estimated at $3.55 billion, 8 percent below the 2002 level of $3.86 billion.

CHART 5: Farm Income and Expenses, 1971 – 2003



SOURCE: Statistics Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

FARM NET INCOME

Realized net farm income is determined by adding cash receipts, total payments and income-in-kind and subtracting net operating expenses and depreciation charges. In 2003, due to an 8.8 percent decrease in farm cash receipts, a 5.8 percent rise in operating expenses and a 7.3 percent increase in depreciation, realized net farm income dropped to $34.2 million, 94.0 percent below the 2002 level. Realized net farm income per farm in 2003 was about $ 1,668, compared to the revised 2002 value of about $25,823. Total net income includes the value of inventory change. The value of livestock inventories declined in 2003. However, declines then were more than offset by higher value of crops resulting from improved yields and prices. Consequently, total net income of $417.8 million is higher than realized net income even as it declined 16.6 percent from $500.8 million in 2002. Total net income per farm was $20,400 compared to $24,100 in 2002.

TABLE 11: Farm Income Summary, 1999-2003

	1999^R	2000^R	2001^R	2002^R	2003^P
	- thousand dollars -				
Crop Receipts	1,401,170	1,312,530	1,519,408	1,915,131	1,683,667
Livestock Receipts	1,290,818	1,550,912	1,795,685	1,721,192	1,553,970
Total Direct Payments	216,017	287,093	382,147	218,963	308,253
Total Cash Receipts	**2,908,005**	**3,150,535**	**3,697,240**	**3,855,286**	**3,545,890**
Net Total Operating Expenses	**2,376,309**	**2,563,455**	**2,790,415**	**2,929,087**	**3,093,631**
Net Cash Income	**531,696**	**587,080**	**906,825**	**926,199**	**452,259**
Income-In-Kind	8,758	9,128	8,500	8,278	8,145
Depreciation Charges	388,874	386,933	397,866	397,354	426,244
Realized Net Income	**151,580**	**209,275**	**517,459**	**537,123**	**34,160**
Value of Inventory Change	-25,977	175,025	-66,665	-36,331	383,625
TOTAL NET INCOME	**125,603**	**384,300**	**450,794**	**500,792**	**417,785**

SOURCE: Statistics Canada, May 27, 2004. Manitoba Agriculture, Food and Rural Initiatives.

TABLE 12: Farm Capital Investment, 1999-2003

	1999^R	2000^R	2001^R	2002^R	2003^P
	Thousand dollars				
Land and Buildings	9,570,108	9,763,695	9,858,655	9,980,415	10,306,022
Machinery and Equipment	3,436,546	3,415,001	3,430,592	3,473,558	3,527,458
Livestock and Poultry	1,459,944	1,691,515	1,914,401	1,657,375	1,372,321
TOTAL	**14,466,598**	**14,870,211**	**15,203,648**	**15,111,348**	**15,205,801**

SOURCE: Statistics Canada, May 27, 2004.

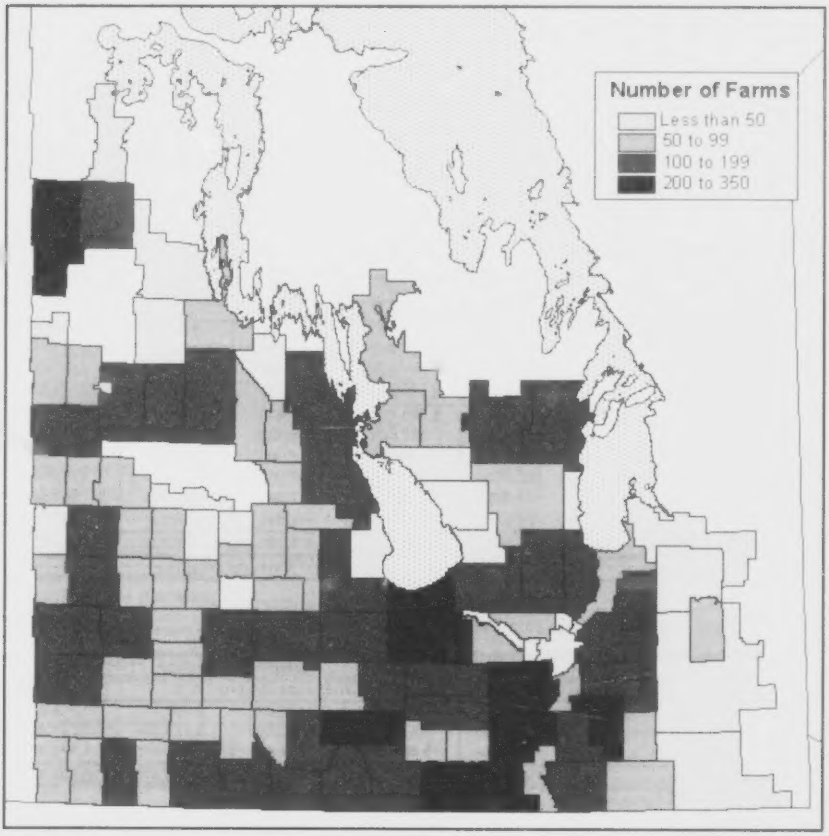
TABLE 13: Farm Debt Outstanding, 1999-2003

	1999	2000	2001	2002^R	2003^P
	thousand dollars				
Chartered Banks[1]	1,537,437	1,455,926	1,487,569	1,677,875	1,871,482
Federal Government Agencies[2]	577,688	622,772	690,489	742,424	839,868
Provincial Government Agencies	248,807	261,926	274,206	271,054	315,647
Credit Unions	533,291	756,149	863,606	981,826	1,083,252
Insurance, Trust, Loan Companies	24,538	25,270	29,578	37,855	42,294
Advance Payment Programs	199,491	183,013	174,384	132,800	188,724
Private Individuals and Others[3]	378,987	430,024	414,922	405,598	427,438
TOTAL[4]	**3,500,239**	**3,735,080**	**3,934,754**	**4,249,432**	**4,768,705**

[1] Includes loans under F.I.L.A.
[2] Includes F.C.C., V.L.A. and F.B.D.B.
[3] Includes supply companies, dealers, stores and finance companies, and other unclassified sources.
[4] Totals may not add due to rounding.

SOURCE: Statistics Canada, May 27, 2004.

MAP 2: Farms With Over $50,000 in Farm Cash Receipts by Rural Municipality, 2001 Census


Number of Farms
Less than 50
50 to 99
100 to 199
200 to 350

SOURCE: Statistics Canada, Census of Agriculture, 2001

TABLE 14: **Manitoba Agricultural Credit Corporation and Bank Interest Rates by Month, 1997 – 2003**

	1-Year Rate (%)						5-Year Mortgage Rate (%)					
	MACC			Bank			MACC			Bank		
	2001	2002	2003	2001	2002	2003	2001	2002	2003	2001	2002	2003
January	6.600	3.500	4.750	7.40	4.55	4.90	7.000	5.500	5.750	7.75	7.00	6.45
February	6.150	3.900	5.250	7.20	4.55	4.90	6.750	5.750	6.250	7.75	6.85	6.60
March	6.050	4.050	5.300	6.70	5.30	5.35	6.750	6.250	6.125	7.25	7.30	6.85
April	5.800	5.650	5.500	6.80	5.40	5.35	6.750	7.000	6.375	7.50	7.45	6.65
May	5.800	5.650	5.400	6.70	5.55	5.05	6.750	6.750	6.125	7.75	7.40	6.15
June	5.800	5.850	5.375	6.70	5.55	4.85	7.000	6.750	5.625	7.75	7.25	5.80
July	5.900	5.650	4.800	6.45	5.35	4.55	7.125	6.500	5.500	7.75	7.05	6.20
August	5.500	5.500	4.750	6.20	5.35	4.55	6.750	6.000	5.625	7.60	6.80	6.35
September	5.050	5.700	4.750	5.45	5.30	4.55	6.375	6.150	5.750	7.15	6.70	6.30
October	4.300	5.450	4.400	4.90	5.30	4.55	5.750	5.875	5.375	6.90	7.00	6.40
November	3.600	4.750	4.650	4.60	4.90	4.75	5.125	5.875	5.750	6.85	6.70	6.50
December	3.600	4.095	4.650	4.60	4.90	4.75	5.375	6.000	5.750	6.85	6.70	6.45
Year	**5.346**	**4.979**	**4.965**	**6.14**	**5.17**	**4.84**	**6.458**	**6.200**	**5.833**	**7.40**	**7.02**	**6.39**

	10-Year Rate (%)							Bank Prime Business Rate (%)				
	MACC											
	1997	1998	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003
January	7.500	6.875	6.625	8.250	7.250	6.750	6.625	6.75	6.50	7.25	3.75	4.50
February	7.375	6.875	6.500	8.375	7.125	6.750	6.875	6.75	6.75	7.25	3.75	4.50
March	7.375	7.000	7.000	7.875	7.000	7.000	6.750	6.75	7.00	6.75	3.75	4.75
April	7.875	6.875	6.625	7.750	7.125	7.875	6.875	6.50	7.00	6.50	4.00	5.00
May	7.750	6.875	6.875	8.000	7.250	7.625	6.750	6.25	7.50	6.25	4.00	5.00
June	7.500	6.750	7.250	8.000	7.500	7.375	6.250	6.25	7.50	6.25	4.25	5.00
July	7.250	6.875	7.250	7.750	7.625	7.250	6.250	6.25	7.50	6.00	4.50	4.75
August	6.875	7.000	7.500	7.875	7.250	6.875	6.500	6.25	7.50	5.75	4.50	4.75
September	7.000	7.250	7.625	7.625	7.000	6.875	6.625	6.25	7.50	5.25	4.50	4.50
October	6.750	6.625	7.625	7.625	6.750	6.750	6.250	6.25	7.50	4.50	4.50	4.50
November	6.750	6.750	7.875	7.750	6.250	6.750	6.625	6.50	7.50	4.00	4.50	4.50
December	7.000	6.500	7.875	7.500	6.500	6.875	6.625	6.50	7.50	4.00	4.50	4.50
Year	**7.250**	**6.854**	**7.219**	**7.865**	**7.052**	**7.063**	**6.583**	**6.44**	**7.27**	**5.81**	**4.21**	**4.69**

SOURCE: Manitoba Agricultural Credit Corporation, Bank of Canada Review.

TABLE 15: **Canadian Exchange Rates by Month, 2002, 2003**

Canadian dollars per	U.S. Dollar ($)		Euro		Japanese Yen (¥)		United Kingdom (pound)		Mexican Peso (P)	
	2002	2003	2002	2003	2002	2003	2002	2003	2002	2003
January	1.6003	1.5410	1.4136	1.6373	0.012064	0.012974	2.2925	2.4921	0.1747	0.1452
February	1.5958	1.5124	1.3895	1.6308	0.011946	0.012669	2.2710	2.4315	0.1753	0.1383
March	1.5870	1.4759	1.3917	1.5937	0.012119	0.012438	2.2584	2.3358	0.1751	0.1354
April	1.5814	1.4585	1.4012	1.5841	0.012094	0.012164	2.2819	2.2957	0.1726	0.1378
May	1.5497	1.3845	1.4208	1.6009	0.012268	0.011796	2.2623	2.2465	0.1628	0.1352
June	1.5317	1.3523	1.4646	1.5788	0.012428	0.011429	2.2729	2.2459	0.1569	0.1288
July	1.5459	1.3815	1.5352	1.5696	0.013114	0.011645	2.4063	2.2412	0.1581	0.1322
August	1.5679	1.3957	1.5331	1.5558	0.013179	0.011772	2.4078	2.2236	0.1594	0.1294
September	1.5758	1.3632	1.5456	1.5359	0.013019	0.011879	2.4528	2.2022	0.1565	0.1249
October	1.5778	1.3218	1.5484	1.5485	0.012734	0.012073	2.4576	2.2198	0.1564	0.1183
November	1.5714	1.3126	1.5731	1.5383	0.012921	0.012023	2.4680	2.2197	0.1542	0.1177
December	1.5593	1.3128	1.5883	1.6138	0.012787	0.012183	2.4730	2.2985	0.1526	0.1167
Year	**1.5704**	**1.4015**	**1.4832**	**1.5826**	**0.012554**	**0.012088**	**2.3582**	**2.2883**	**0.1630**	**0.1301**

SOURCE: Bank of Canada Review.

TABLE 16: Agri-Food Exports by Commodity Group & Selected Subgroups, 2002, 2003

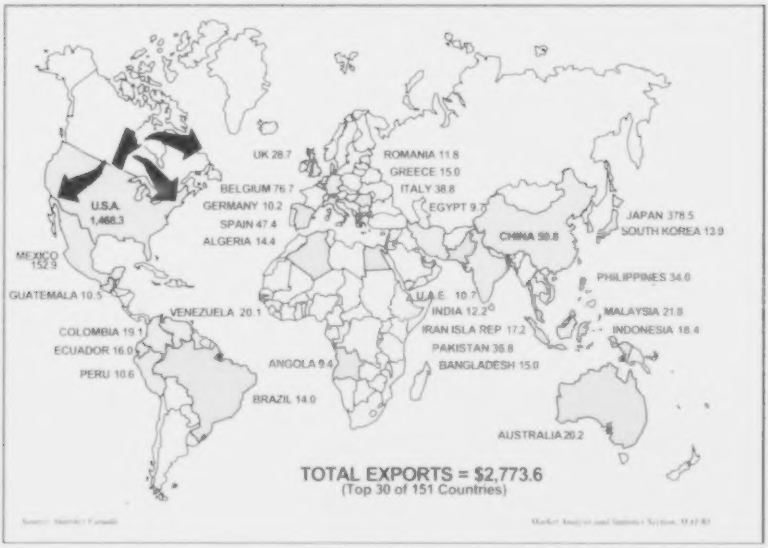
Commodity Group /Subgroup	Unit	Quantity		Value ($'000)	
		2002^R	2003^P	2002^P	2003^P
Live Animals	...	-	-	**542,338.3**	**398,186.7**
Horses	number	2,393.0	2,560.0	3,513.6	3,010.3
Cattle	number	262,829.0	96,926.0	271,658.8	106,211.8
Bison	number	1,232.0	428.0	1,550.3	444.5
Pigs	number	2,878,144.0	3,784,738.0	245,989.9	276,406.2
Sheep	number	37,224.0	14,953.0	5,517.0	2,631.0
Poultry	number	5,975,095.0	4,734,600.0	12,994.6	8,530.4
Other		-	-	1,114.1	952.5
Red Meats	**tonnes**	**201,260.5**	**197,645.8**	**495,714.0**	**441,545.9**
Beef, fresh/chilled	tonnes	230.0	78.0	1,425.5	341.5
Beef, frozen	tonnes	-	1.5	-	6.7
Bison, fresh/chilled	tonnes	-	-	-	-
Pork, fresh/chilled	tonnes	90,098.1	90,075.3	262,657.9	248,478.3
Pork, frozen	tonnes	63,120.7	58,218.4	185,663.9	145,030.7
Processed beef		-	-	-	-
Processed pork	tonnes	3,153.7	5,611.1	11,001.1	16,376.2
Edible offal	tonnes	34,909.7	36,035.9	30,472.3	27,642.6
Animal fat	tonnes	9,454.5	7,625.6	3,195.5	3,670.0
Other	tonnes	293.9	-	1,297.7	-
Poultry and Eggs	**tonnes**	**6,416.5**	**7,567.2**	**23,156.9**	**33,706.8**
Poultry, fresh/frozen	tonnes	1,907.5	1,654.4	1,337.2	1,998.7
Eggs/egg products	tonnes	3,306.3	4,164.6	14,044.1	16,306.2
Egg albumin	tonnes	1,202.7	1,748.1	7,775.5	15,402.0
Dairy Products	**tonnes**	**1,830.3**	**738.0**	**3,920.2**	**1,625.6**
Milk powder	tonnes	1,685.8	519.5	3,372.7	1,106.4
Whey	tonnes	38.7	135.9	100.2	175.4
Other	tonnes	105.8	82.6	447.4	343.9
Honey	**tonnes**	**8,750.3**	**4,897.7**	**33,011.1**	**24,625.8**
Other Animal Products	...	-	-	**6,540.7**	**7,018.9**
Animal Semen/Embryos		-	-	145.7	-
Skins & Hides	number	14,330.0	35,679.0	404.1	595.8
Raw Furskins	number	18,976.0	26,235.0	318.5	395.6
Feathers	tonnes	4.9	30.0	96.0	435.4
Beeswax	tonnes	208.9	363.7	846.8	1,578.3
Other		-	-	4,729.7	4,013.8
Grains	**tonnes**	**2,878,229.1**	**2,772,048.3**	**718,656.5**	**650,369.2**
Durum Wheat	tonnes	170,354.0	155,496.0	48,111.9	42,350.2
Wheat (excl. Durum)	tonnes	2,226,683.0	2,038,366.0	534,526.9	476,392.7
Barley	tonnes	59,335.0	55,430.0	14,245.5	12,707.4
Oats	tonnes	358,391.2	461,549.0	86,401.6	89,182.7
Grain Corn	tonnes	11.8	81.1	32.8	99.8
Rye	tonnes	24,881.0	21,657.0	5,689.9	4,576.5
Buckwheat	tonnes	2,469.1	875.7	1,007.9	395.9
Canary Seed	tonnes	32,533.3	33,282.7	26,000.2	21,645.8
Other	tonnes	3,570.6	5,310.8	2,639.9	3,018.4
Grain Products	**tonnes**	**147,671.6**	**143,997.0**	**92,925.2**	**80,539.4**
Grain Flours	tonnes	6,324.4	5,666.2	4,963.4	4,214.8
Pulse Flours	tonnes	509.4	586.7	771.9	636.5
Oat groats, flakes & meal	tonnes	88,007.1	100,276.9	51,360.1	50,998.4
Malt	tonnes	42,123.0	27,066.2	21,131.5	12,073.1
Other, semi-processed	tonnes	3,133.4	2,535.5	1,859.6	904.0
Processed grain products	tonnes	4,186.4	4,812.5	11,097.6	10,467.7
Starches	tonnes	3,387.8	3,053.1	1,741.0	1,244.8

Commodity Group /Subgroup	Unit	Quantity		Value ($'000)	
		2002^R	2003^P	2002^R	2003^P
Oilseeds	**tonnes**	**862,062.5**	**1,151,731.9**	**358,587.9**	**470,783.0**
Flaxseed	tonnes	207,403.0	202,247.2	83,124.6	83,411.3
Canola	tonnes	494,401.3	705,676.0	200,330.8	282,687.2
Sunflowerseed	tonnes	86,144.7	92,781.1	44,486.8	45,866.4
Mustard seed	tonnes	28,363.9	21,102.8	14,544.1	14,255.5
Soya beans	tonnes	42,662.2	128,751.6	13,636.1	43,176.9
Other	tonnes	3,087.4	1,173.3	2,465.5	1,385.6
Oilseed Products	**tonnes**	**374,706.9**	**392,633.6**	**177,801.2**	**210,179.8**
Canola oil	tonnes	185,147.5	199,891.4	139,346.2	171,124.1
Other oils	tonnes	4,647.9	3,872.6	4,646.1	4,538.4
Hydronated veg oil	tonnes	232.2	310.4	168.9	597.7
Canola oilcake/meal	tonnes	173,123.7	172,282.1	30,207.1	29,399.7
Other oilcake/meal	tonnes	9,078.4	15,251.2	1,525.3	2,506.0
Other, semi-processed	tonnes	2,477.2	1,025.8	1,907.5	2,013.9
Other Animal Feeds	**tonnes**	**101,725.0**	**42,792.5**	**40,299.6**	**20,379.6**
Forage products	tonnes	66,945.0	21,828.0	18,179.2	6,425.0
Cereal brans/residues	tonnes	10,702.3	7,911.9	13,555.6	9,166.0
Pet food	tonnes	126.4	104.5	179.3	122.2
Feed preparations	tonnes	21,345.9	10,778.0	7,483.1	3,861.2
Other	tonnes	2,605.5	2,170.2	902.4	805.2
Fruits and Nuts	...	-	-	**235.0**	**69.7**
Vegetables and Legumes	**tonnes**	**455,099.2**	**677,622.4**	**310,034.9**	**367,889.2**
Potatoes, fresh	tonnes	20,313.0	28,029.0	8,178.0	6,904.4
Onions & shallots, fresh	tonnes	2,249.9	3,978.7	2,409.9	3,005.9
Carrots/rutabagas, fresh	tonnes	126.8	532.1	67.7	222.4
Cauliflower & broccoli, fresh	tonnes	32.3	153.2	34.1	169.2
Cabbages	tonnes	144.2	98.5	62.4	61.5
Other fresh vegetables	tonnes	214.2	1,722.1	221.3	1,178.9
Frozen vegetables	tonnes	7.3	404.5	5.8	262.4
Peas, dried	tonnes	103,469.1	255,311.2	38,256.5	60,294.7
Beans, dried	tonnes	114,878.6	130,849.4	82,187.0	76,367.5
Lentils, dried	tonnes	31,373.6	20,917.2	17,608.7	13,473.1
Other dried vegetables	tonnes	7.3	41.1	5.9	12.9
Processed potatoes	tonnes	182,252.4	235,558.1	160,864.2	205,842.7
Other processed vegetables	tonnes	30.4	27.3	133.4	93.5
Seeds for Sowing	**tonnes**	**26,408.0**	**26,891.8**	**34,606.5**	**40,183.3**
Forage seeds	tonnes	17,522.5	20,318.2	31,133.8	37,755.0
Seed potatoes	tonnes	8,878.0	6,434.0	3,448.4	2,327.7
Other (excl. potatoes)	tonnes	7.6	139.6	24.3	100.6
Vegetable Fibres	**tonnes**	**22,035.6**	**27,046.4**	**11,063.6**	**12,978.6**
Flax	tonnes	22,035.6	27,046.4	11,063.6	12,978.6
Other		-	-	-	-
Floriculture & Nursery	...	-	-	**993.8**	**899.7**
Sugar & Confectionary	**tonnes**	**449.2**	**448.0**	**1,457.6**	**1,606.3**
Other sugar products	tonnes	60.0	20.1	236.1	80.4
Sugar confectionary	tonnes	389.2	427.9	1,221.5	1,525.9
Coffee & Spices	**tonnes**	**1,142.6**	**1,636.2**	**1,420.5**	**1,952.7**
Coffee, roasted		-	-	-	-
Coriander seeds	tonnes	710.4	798.8	647.4	716.1
Caraway seeds	tonnes	425.8	816.8	763.0	1,183.2
Other	tonnes	6.4	20.7	10.1	53.3
Other Edible Preparations	**tonnes**	**1,497.0**	**900.0**	**2,959.9**	**2,030.3**
Protein concentrates	tonnes	475.5	363.7	1,450.1	1,173.4
Sauces & condiments	tonnes	15.4	-	72.4	-
Mustard flour, etc	tonnes	34.0	145.2	50.1	301.5
Fruit & nut preparations	tonnes	766.2	337.0	966.7	355.8
Other food preparations	tonnes	205.9	54.1	420.5	199.5
Beverages	...	-	-	**1,458.4**	**2,144.2**
Other Agri-Food Products	...	-	-	**775.8**	**4,875.5**
TOTALS	...	-	-	**2,857,957.8**	**2,773,590.3**

NOTE: Totals may not add due to rounding

SOURCE: Statistics Canada, International Trade Division, Agriculture & Agri-Food Canada, May, 2004

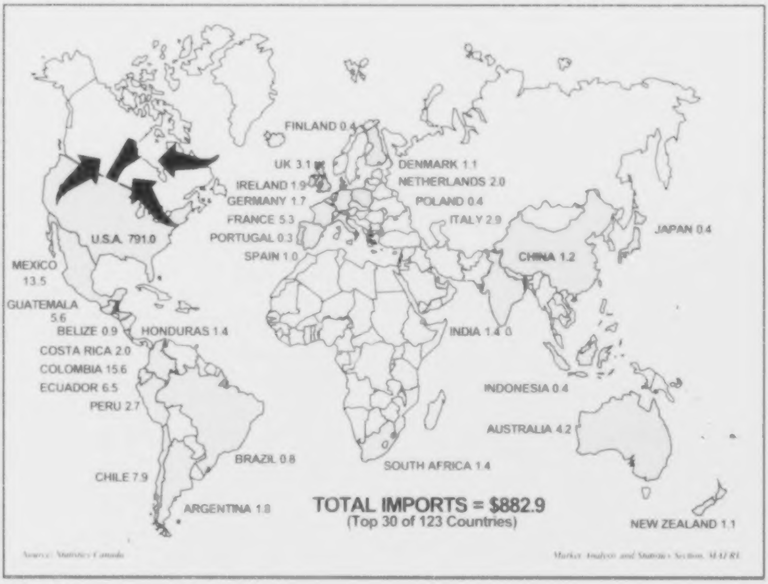
MAP 3: Manitoba Agri-Food Exports, 2003, $ Million


U.S.A.
1,468.3
MEXICO
152.9
GUATEMALA 10.5
COLOMBIA 19.1
ECUADOR 16.0
PERU 10.6
VENEZUELA 20.1
BRAZIL 14.0
UK 28.7
BELGIUM 76.7
GERMANY 10.2
SPAIN 47.4
ALGERIA 14.4
ANGOLA 9.4
ROMANIA 11.8
GREECE 15.0
ITALY 38.8
EGYPT 9.7
U.A.E. 10.7
INDIA 12.2
IRAN ISLA REP 17.2
PAKISTAN 36.8
BANGLADESH 15.0
CHINA 58.8
JAPAN 378.5
SOUTH KOREA 13.9
PHILIPPINES 34.0
MALAYSIA 21.8
INDONESIA 18.4
AUSTRALIA 20.2
TOTAL EXPORTS = $2,773.6
(Top 30 of 151 Countries)

Source: Statistics Canada

Market Analysis and Statistics Section, MAFRI

MAP 4: Manitoba Agri-Food Imports, 2003, $ Million


U.S.A. 791.0
MEXICO
13.5
GUATEMALA
5.6
BELIZE 0.9
HONDURAS 1.4
COSTA RICA 2.0
COLOMBIA 15.6
ECUADOR 6.5
PERU 2.7
BRAZIL 0.8
CHILE 7.9
ARGENTINA 1.8
FINLAND 0.4
UK 3.1
IRELAND 1.9
GERMANY 1.7
FRANCE 5.3
PORTUGAL 0.3
SPAIN 1.0
DENMARK 1.1
NETHERLANDS 2.0
POLAND 0.4
ITALY 2.9
CHINA 1.2
JAPAN 0.4
INDIA 1.4
INDONESIA 0.4
AUSTRALIA 4.2
SOUTH AFRICA 1.4
NEW ZEALAND 1.1
TOTAL IMPORTS = $882.9
(Top 30 of 123 Countries)

Source: Statistics Canada

Market Analysis and Statistics Section, MAFRI

Note: Excludes Canadian re-imports.

TABLE 17: Agri-Food Imports by Commodity Group & Selected Subgroups, 2002, 2003

Commodity Group /Subgroup	Unit	Quantity		Value ($'000)	
		2002^R	2003^P	2002^R	2003^P
Live Animals	...	-	-	**5,206.2**	**5,342.9**
Horses	number	445.0	151.0	1,386.4	625.2
Cattle	number	176.0	383.0	565.0	1,658.6
Bison	number	-	-	-	-
Pigs	number	671.0	2,163.0	425.7	560.4
Sheep	number	-	57.0	-	3.8
Poultry		-	-	2,204.0	1,977.8
Other		-	-	625.0	517.1
Red Meats	**tonnes**	**14,243.1**	**14,244.9**	**56,802.5**	**49,617.6**
Beef (fresh/chilled and frozen)	tonnes	1,006.2	934.4	4,087.1	4,136.5
Bison, fresh/chilled	...	-	-	-	-
Lamb, fresh/chilled	tonnes	-	11.3	-	72.2
Pork (fresh/chilled and frozen)	tonnes	7,196.7	5,992.8	23,660.2	17,264.2
Processed beef	tonnes	1,560.8	1,235.6	10,619.2	9,238.6
Processed pork	tonnes	3,527.5	3,389.3	16,702.2	14,971.8
Edible animal offal, products	tonnes	428.9	437.7	715.9	491.5
Animal fat	tonnes	449.0	2,013.4	423.8	1,597.3
Other	tonnes	74.0	230.3	594.1	1,845.6
Poultry and Eggs	**tonnes**	**5,790.9**	**11,118.9**	**25,061.2**	**27,487.8**
Poultry meat	tonnes	2,031.8	2,605.4	6,832.9	7,625.7
Processed poultry	tonnes	1,075.5	1,087.0	6,951.2	5,722.9
Eggs/egg products	tonnes	963.3	842.7	2,325.3	1,912.0
Eggs/egg products (not in quantity)	('000 dozen)	4,792.6	3,386.4	7,079.5	6,044.3
Egg albumin	tonnes	1,720.3	6,583.9	1,872.3	6,182.9
Dairy Products	**tonnes**	**270.8**	**307.1**	**12,756.4**	**13,712.0**
Cheese	tonnes	270.8	307.1	2,160.1	1,988.1
Other		-	-	10,596.3	11,724.0
Honey	**tonnes**	**55.2**	**20.0**	**184.9**	**60.6**
Other Animal Products	...	-	-	**21,364.5**	**16,084.3**
Skins & Hides	...	-	-	12,110.6	3,757.9
Raw Furskins	number	355,325.0	472,212.0	8,764.3	11,838.9
Wool	tonnes	2.0	8.0	13.0	46.3
Other		-	-	476.7	441.1
Grains	**tonnes**	**969,486.1**	**784,542.5**	**140,571.6**	**108,359.0**
Grain Corn	tonnes	948,730.0	758,019.0	134,472.2	101,153.3
Rice	tonnes	2,608.0	2,696.0	1,615.4	1,597.6
Barley	tonnes	2,477.0	16,488.0	561.7	3,111.1
Millet	tonnes	2,518.5	1,889.5	1,160.3	1,102.2
Other	tonnes	13,152.6	5,450.0	2,762.0	1,394.8
Grain Products	**tonnes**	**26,075.3**	**25,151.5**	**46,913.6**	**43,672.6**
Corn meal	tonnes	0.8	0.5	242.5	163.8
Other, semi-processed	tonnes	2,500.0	3,397.2	2,182.1	2,343.4
Doughs, mixes	tonnes	8,812.3	9,524.2	12,526.5	14,319.9
Cereals	tonnes	4,871.9	3,456.1	11,552.3	8,154.8
Pasta	tonnes	4,367.5	3,523.1	7,763.6	6,744.4
Biscuits, wafers, etc.	tonnes	3,416.4	3,144.0	9,000.9	8,163.7
Other Processed	tonnes	2,106.3	2,106.5	3,645.7	3,782.6
Oilseeds	**tonnes**	**213,956.1**	**213,811.9**	**91,732.8**	**87,171.3**
Canola	tonnes	187,791.3	191,163.3	70,392.0	69,749.2
Sunflowerseed	tonnes	18,780.3	12,000.1	13,180.5	9,209.5
Other	tonnes	7,384.5	10,648.5	8,160.3	8,212.5
Oilseed Products	**tonnes**	**34,462.3**	**29,381.4**	**33,060.2**	**31,181.0**
Other Animal Feeds	**tonnes**	**315,732.1**	**346,078.4**	**138,917.0**	**147,734.0**
Soybean oilcake, etc.	tonnes	255,994.7	287,029.0	76,335.4	86,952.2
Pet food	tonnes	11,322.2	13,621.3	18,126.4	19,874.7
Other	tonnes	48,415.3	45,428.0	44,455.1	40,907.1
Fruits and Nuts	**tonnes**	**58,511.4**	**57,734.2**	**61,514.6**	**57,405.8**
Fruit, fresh or dried	tonnes	50,066.1	50,013.2	47,794.2	45,526.9
Processed Fruit	tonnes	7,518.7	6,685.4	10,550.7	8,695.8
Nuts, fresh or processed	tonnes	926.5	1,035.7	3,169.7	3,183.1

TABLE 17: Agri-Food Imports Continued

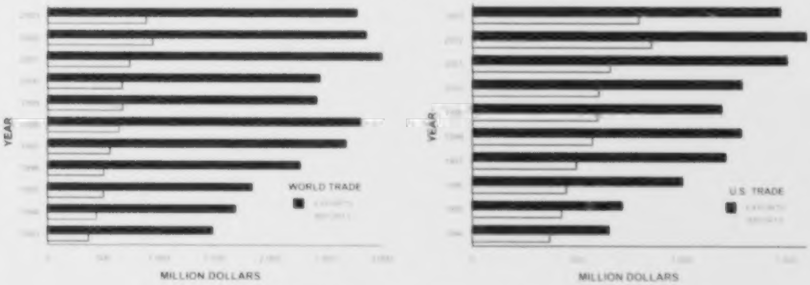
Commodity Group /Subgroup	Unit	Quantity		Value ($'000)	
		2002^{R}	2003^{P}	2002^{R}	2003^{P}
Vegetables and Legumes	**tonnes**	**74,529.4**	**49,014.1**	**75,360.6**	**52,151.0**
Fresh Vegetables	tonnes	55,134.6	35,450.5	53,720.2	37,598.8
Frozen Vegetables	tonnes	95.0	266.2	128.5	283.8
Processed Vegetables	tonnes	11,474.0	5,925.0	15,153.6	9,471.9
Legumes, dried	tonnes	7,825.9	7,372.3	6,358.4	4,796.6
Seeds for Sowing	**tonnes**	**2,884.9**	**2,882.7**	**6,049.1**	**4,964.7**
Forage and grass seeds	tonnes	1,480.5	1,286.2	3,751.0	2,814.7
Other	tonnes	1,404.5	1,596.4	2,298.1	2,150.0
Floriculture & Nursery	...	-	-	**22,943.5**	**26,621.4**
Cut Flowers	...	-	-	17,738.3	21,518.6
Other	...	-	-	5,205.2	5,102.8
Sugar & Confectionary	**tonnes**	**38,037.6**	**38,140.8**	**29,692.4**	**37,592.3**
Refined sugar	tonnes	0.1	0.1	34.5	54.7
Sugar confectionary	tonnes	6,200.7	6,471.5	19,501.7	21,192.0
Other sugar products	tonnes	31,836.9	31,669.2	10,156.2	16,345.6
Coffee, Tea & Spices	**tonnes**	**1,099.9**	**930.8**	**5,494.5**	**4,620.5**
Coffee	tonnes	605.4	702.7	2,776.6	3,291.5
Tea	tonnes	120.7	116.6	880.4	803.7
Spices	tonnes	373.8	111.5	1,837.4	525.3
Other Edible Preparations	**tonnes**	**2,468.7**	**2,588.8**	**83,829.9**	**74,089.0**
Cocoa & Chocolate	tonnes	2,468.7	2,588.8	9,966.5	11,446.9
Other food preparations	...	-	-	73,863.4	62,642.1
Beverages	...	-	-	**39,841.1**	**41,819.5**
Non-alchoholic	kilolitres	5,929.8	9,822.9	6,209.6	9,357.2
Wines	...	-	-	14,861.2	14,562.7
Other alcoholic	...	-	-	18,770.3	17,899.6
Other Agri-Food Products	...	-	-	**43,768.1**	**52,988.5**
Tobacco products	...	-	-	363.8	132.9
Essential Oils	tonnes	9.7	22.8	204.1	212.5
Cotton products	tonnes	442.5	386.8	261.4	203.8
Other vegetable fibres	tonnes	1,074.6	1,259.1	1,118.0	1,206.4
Beeswax	tonnes	139.2	183.3	375.0	490.7
Other	...	-	-	41,445.7	50,742.3
TOTALS	...	-	-	**941,064.5**	**882,676.0**

NOTE: Import data do not usually include products imported by other provinces and sold in Manitoba e.g. lamb/mutton.

* Includes Canadian re-imports

SOURCE: Statistics Canada, International Trade Division, Agriculture & Agri-Food Canada, May, 2004

CHART 6: Total Value of Manitoba Agri-Food Trade, World and United States, 1994- 2003



NOTE: World trade imports includes Canadian re-imports.
SOURCE: Statistics Canada, International Trade Div., Agriculture & Agri-Food Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

CROP PRODUCTION

GENERAL CONDITIONS & CROP PROGRESS

April/May - Soil moisture across much of the province was low into early April, 2003, although there was more moisture in the South West Region. Winter snows had generally been low and snowmelt was minimal, but there was some rain and snow through the month. Despite cool temperatures, there was some isolated seeding by the second week of April, as in 2002. By about April 25th, all regions had some seeding done, including some cereals, peas, canola and potatoes. Winter wheat and fall rye were in good condition, but there was winterkill on some forage and forage seed fields. Pastures were greening slowly because of the cool, mostly dry weather, and there were still snowdrifts at fields' edge in northern areas. By mid-May, much of the province's crop area had been planted, ahead of 2002, with virtually all planting was completed before month-end. Flea beetles were being reported at the start of May and, along with grasshoppers, were much earlier than usual. Cool weather kept crop and pasture development slow. A late May frost resulted in some seed rot and frost-damage, and some reseeding of canola and oats. Summerfallow area was reduced to an estimated historic low of 220,000 acres (from 300,000 acres in 2002).

June – Crop growth was slower than normal during June, despite a good growth response to rainfall early in the month and to warmer temperatures into mid-June. By the end of June, Manitoba's winter wheat crops were in or close to heading, while fall rye was filling, one to two weeks later than in 2002. Annual crops were progressing well, but with less than half the cereals beginning to head. Hay yields and quality were below normal in most areas.

July – The month began with hot, humid conditions and improved moisture in most areas except the northern and western Interlake. Fungicides were applied for the prevention of leaf diseases and fusarium head blight. Corn and sunflowers were "knee-high by July 1" (about 50cm). Conditions were progressively warmer and drier throughout the month, accelerating crop development, and causing concerns that yields could also be much lower in 2003.

August - An early seeding date usually means widespread wheat harvesting by the end of the 1st week in August and, across Manitoba, swathing of spring cereals began. Harvesting was widespread into the second week. In 2003, however, some crops were prematurely ripening and some corn was drying before tasselling. By month end, 90-97% of the province's cereals had been harvested.

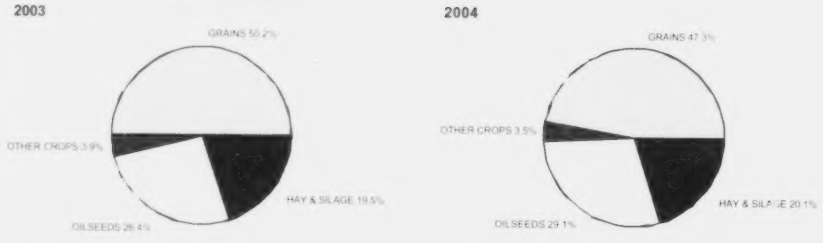
September/November – Much of Manitoba's harvesting was complete by the second week of September. Sunseed was being desiccated, silage corn was being harvested, and fall planting was underway. Mid-month showers, however, stalled progress in edible bean harvesting. Dry conditions resulted in the highest-ever plantings of winter wheat (370,000 acres versus 325,000 acres the previous fall) and higher levels of fall rye (80,000 acres vs. 60,000 acres).

Despite the cool spring and dry summer, Manitoba's 2003 production of the grains and oilseeds increased 17-20%, while special crop production was down nearly 20%. Total production is estimated at 9.91 million tonnes, 17% more than the previous year. Grain and oilseed yields in 2003 were much higher than in 2002, but protein levels were also unusually high.

Much of Manitoba's 2003 higher grain yields may be attributed to reduced losses from Fusarium Head Blight. In 2003, Fusarium Head Blight (FHB) was at the lowest level since 1992 because of dry weather during and after flowering. F. graminearum continues to be the species responsible for almost all the FDK in Manitoba. Only 30-40% of the province's wheat and barley area may be totally fusarium-free. Little or no FHB was reported in other crops. The Canadian Grain Commission (CGC) estimated that about 30.1% of the Manitoba wheat it sampled in 2003 had some degree of FHB (74% in 2002, 69% in 2001, 61% in 2000, 40.5% in 1999, 43.1% in 1998, 40% in 1999, 34.7% in 1996). Manitoba's Durum acreage has fallen dramatically since Durum is extremely susceptible to FHB. (About 77% of Manitoba 2000-crop Durum samples were infected.)

Dry growing weather also tends to result in high protein levels. In 2003, Manitoba milling wheat averaged 14.2% in Manitoba, with 14.3% in #1CWRS, according to the CGC post-harvest survey (at 13.5% moisture). Argentine canola varieties comprised virtually all of Manitoba's canola area in 2003. Approximately 96% (88% in 2002, 65% in 2001) of the Manitoba post-harvest canola samples tested by the CGC graded No.1Canada, with an average of 41.8% oil and 23.1% protein (42.5% oil and 23% protein in 2002), with another 3.2% (9.5%) grading No.2. Brown flaxseed averaged about 44.6% oil and 24.7% protein in 2003 (45.7 and 23.7% in 2002), with the oil containing 54.2% linolenic acid (58.1% in 2002).

CHART 7: Area of Crops Planted, 2003, 2004



SOURCE: Statistics Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

TABLE 18: Number of Days Required for Selected Crops to Reach Maturity

Crop	Days to Maturity	Crop	Days to Maturity
Barley	60 – 90	Fababeans	105 – 115
Beans:		Field Peas	90 – 100
Black	95 – 105	Flax	85 – 100
Kidney and cranberry	100 – 114	Lentils	85 – 100
Navy and pinto	90 – 100	Mustard:	
Buckwheat	80 – 90	Brown or Oriental	85 – 95
Canary Grass Seed	95 – 105	Yellow	80 – 90
Canola:		Oats	85 – 88
- early Polish	73 – 83	Potatoes	110 – 140
- late Argentine	92 – 102	Sugar Beets	120 – 140
Coriander	90 – 100	Sunflowers	120 – 130
Corn (Grain)	110 – 120	Spring Wheat	90 – 100

SOURCE: Agrometeorological Centre of Excellence (http://www.gov.mb.ca/agriculture/climate).

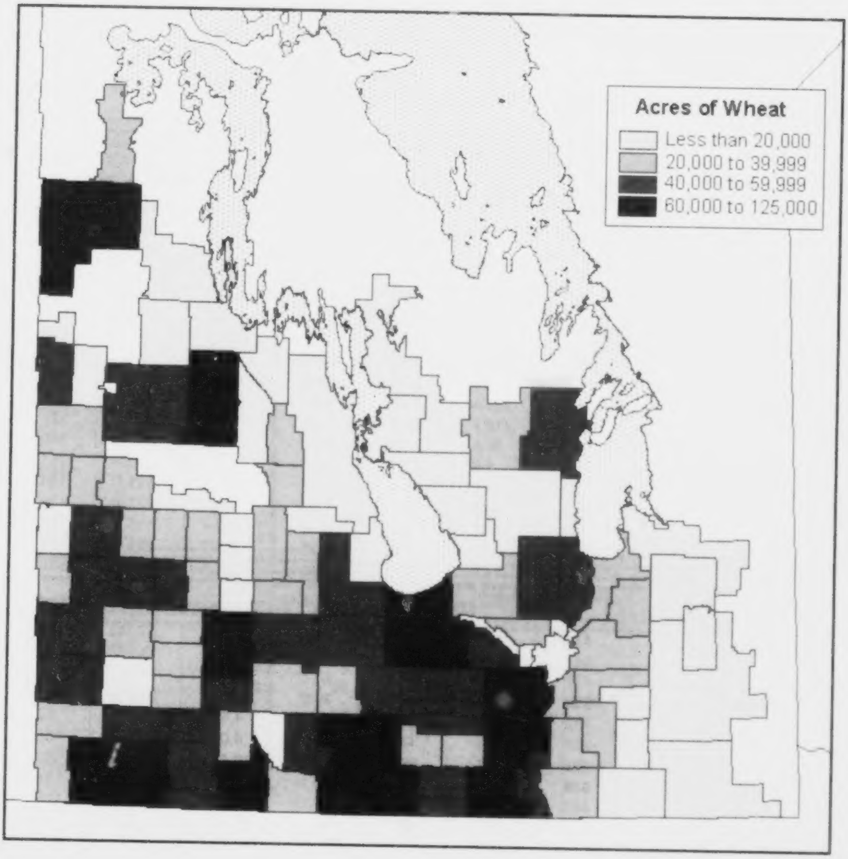
TABLE 19: Base Temperature for Selected Crops and Insects

Crops	Base Temperature* (°C)
Canola	5.0
Corn and Beans	10.0
Forages	5.0
General Plant Growth	5.0
Lettuce	4.4
Peas and Asparagus	5.5
Potatoes	7.0
Pumpkins and Tomatoes	13.0
Spinach	2.2
Wheat	4.7

Insects	Base Temperature* (°C)
Cabbage Maggot	6.0
General Insect Development, House flies	15.0
Grasshoppers, Corn Borers	10.0
Variegated Cutworm	7.0

* Minimum temperature required for growth and development.
SOURCE: Agrometeorological Centre of Excellence (http://www.gov.mb.ca/agriculture/climate).

MAP 5: Wheat Acres by Rural Municipality, 2001 Census


Acres of Wheat
☐ Less than 20,000
▨ 20,000 to 39,999
▨ 40,000 to 59,999
■ 60,000 to 125,000

SOURCE: Statistics Canada, Census of Agriculture, 2001

WHEAT

About 1.4 million hectares of wheat (3.5 million acres) were harvested in 2003. Total production was estimated at 4.2 million tonnes (152.9 million bushels), an increase of 24 percent from the 2002 level.

TABLE 20: Area, Yield and Production of All Wheat, 2002^R, 2003^P

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production		
					(000 tonnes)		% Chg
	2002	2003	2002	2003	2002	2003	03/02
1	175.6	215.2	2.03	2.56	355.8	550.8	155
2	178.4	171.5	2.26	2.51	402.9	430.8	107
3	152.4	147.6	2.53	2.74	385.6	403.9	105
Southwest	**506.3**	**534.3**	**2.26**	**2.59**	**1,144.3**	**1,385.5**	**121**
4	49.3	50.1	2.56	2.48	126.0	124.4	99
5	95.8	102.3	2.29	2.90	219.6	296.9	135
6	112.3	117.6	2.54	2.62	285.0	307.5	108
Northwest	**257.4**	**270.0**	**2.45**	**2.70**	**630.6**	**728.8**	**116**
7	183.4	181.3	2.74	3.48	502.1	630.0	125
8	238.0	235.4	2.62	3.38	624.7	796.2	127
Central	**421.4**	**416.7**	**2.67**	**3.42**	**1,126.8**	**1,426.3**	**127**
9	87.5	80.9	2.32	3.74	203.2	302.6	149
10	6.2	8.5	2.04	3.57	12.6	30.5	241
Eastern	**93.7**	**89.5**	**2.30**	**3.72**	**215.8**	**333.1**	**154**
11	50.6	54.0	2.48	3.20	125.3	173.1	138
12	46.5	41.9	2.42	2.76	112.4	115.7	103
Interlake	**97.1**	**95.9**	**2.45**	**3.01**	**237.7**	**288.8**	**121**
Province	**1,375.9**	**1,406.3**	**2.44**	**2.96**	**3,355.2**	**4,162.5**	**124**
Agricultural Region	**Harvested Acres (000)**		**Yield/Acre (bushels)**		**Production**		
					(000 bushels)		**% Chg**
1	434	532	30.1	38.1	13,070	20,240	155
2	441	424	33.6	37.3	14,800	15,830	107
3	377	365	37.6	40.7	14,170	14,840	105
Southwest	**1,251**	**1,320**	**33.6**	**38.6**	**42,040**	**50,910**	**121**
4	122	124	38.0	36.9	4,630	4,570	99
5	237	253	34.1	43.2	8,070	10,910	135
6	278	291	37.7	38.9	10,470	11,300	108
Northwest	**636**	**667**	**36.4**	**40.1**	**23,170**	**26,780**	**116**
7	453	448	40.7	51.7	18,460	23,150	125
8	588	581	39.0	50.3	22,950	29,260	127
Central	**1,041**	**1,029**	**39.8**	**50.9**	**41,410**	**52,410**	**127**
9	216	200	34.5	55.6	7,470	11,120	149
10	15	21	30.1	53.1	460	1,120	241
Eastern	**232**	**221**	**34.2**	**55.4**	**7,930**	**12,240**	**154**
11	125	133	36.8	47.6	4,600	6,360	138
12	115	104	35.9	41.1	4,130	4,250	103
Interlake	**240**	**237**	**36.4**	**44.8**	**8,730**	**10,610**	**121**
Province	**3,400**	**3,475**	**36.3**	**44.0**	**123,280**	**152,950**	**124**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives.

Durum Wheat

Durum wheat is included in total wheat. In 2003, the harvested area was estimated at 14,200 hectares (35,000 acres), down from 20,200 hectares (50,000 acres) in 2002. The average yield was 35.7 bushels per acre compared to 29.0 bushels per acre in 2002.

TABLE 21: Area, Yield and Production of Durum Wheat, 2002^R, 2003^P

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production		
					(000 tonnes)		% Chg
	2002	2003	2002	2003	2002	2003	03/02
1	9.6	5.7	1.42	2.35	13.6	13.3	98
2	9.1	2.7	2.49	2.48	22.6	6.8	30
3	0.9	0.0	2.41	-	2.2	0.0	-
Southwest	**19.6**	**8.4**	**1.96**	**2.39**	**38.4**	**20.1**	**52**
4	0.0	0.9	0.00	0.00	0.0	0.0	-
5	0.3	0.3	0.00	0.00	0.5	0.5	100
6	0.0	1.2	0.00	0.00	0.0	1.1	-
Northwest	**0.3**	**2.3**	**1.58**	**1.63**	**0.5**	**3.8**	**700**
7	0.1	1.4	0.00	3.22	0.0	4.4	-
8	0.2	1.6	2.22	2.93	0.5	4.6	850
Central	**0.3**	**2.9**	**1.69**	**3.06**	**0.5**	**9.0**	**1,650**
9	0.0	0.0	0.00	0.00	0.0	0.0	-
10	0.0	0.0	0.00	0.00	0.0	0.0	-
Eastern	**0.0**	**0.0**	0.00	0.00	**0.0**	**0.0**	-
11	0.0	0.0	0.00	0.00	0.0	0.0	-
12	0.0	0.5	0.00	2.28	0.0	1.1	-
Interlake	**0.0**	**0.5**	0.00	**2.28**	**0.0**	**1.1**	-
Province	**20.2**	**14.2**	**1.95**	**2.40**	**39.5**	**34.0**	**86**

Agricultural Region	Harvested Acres (000)		Yield/Acre (bushels)		Production		
					(000 bushels)		% Chg
1	23.7	14.0	21.06	34.90	500.0	490.0	98
2	22.4	6.8	37.08	36.86	830.0	250.0	30
3	2.2	0.0	35.78	0.00	80.0	0.0	-
Southwest	**48.4**	**20.8**	**29.15**	**35.54**	**1,410.0**	**740.0**	**52**
4	0.0	2.2	0.00	37.21	0.0	80.0	-
5	0.8	0.7	23.57	0.00	20.0	20.0	100
6	0.0	3.0	0.00	0.00	0.0	40.0	-
Northwest	**0.8**	**5.8**	**23.57**	**24.31**	**20.0**	**140.0**	**700**
7	0.2	3.3	0.00	47.90	0.0	160.0	-
8	0.6	3.9	33.00	43.55	20.0	170.0	850
Central	**0.8**	**7.2**	**25.17**	**45.56**	**20.0**	**330.0**	**1,650**
9	0.0	0.0	0.00	34.39	0.0	0.0	-
10	0.0	0.0	0.00	0.00	0.0	0.0	-
Eastern	**0.0**	**0.0**	**0.00**	**0.00**	**0.0**	**0.0**	-
11	0.0	0.0	0.00	0.00	0.0	0.0	-
12	0.0	1.2	0.00	33.97	0.0	40.0	-
Interlake	**0.0**	**1.2**	**0.00**	**1.18**	**0.0**	**40.0**	-
Province	**50.0**	**35.0**	**29.00**	**35.71**	**1,450.0**	**1,250.0**	**86**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 22: Area, Yield and Production of Spring Wheat, 2002^R, 2003^P

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		Production % Chg
	2002	2003	2002	2003	2002	2003	03/02
1	159.9	184.1	2.04	2.49	326.9	458.0	140
2	155.8	151.8	2.20	2.44	342.4	369.9	108
3	143.7	135.6	2.47	2.68	355.2	363.1	102
Southwest	**459.3**	**471.5**	**2.23**	**2.53**	**1,024.4**	**1,190.9**	**116**
4	48.6	48.6	2.54	2.47	123.6	119.7	97
5	93.1	101.2	2.28	2.91	212.6	293.9	138
6	109.3	113.3	2.53	2.63	276.5	297.7	108
Northwest	**250.9**	**263.1**	**2.44**	**2.70**	**612.6**	**711.4**	**116**
7	167.9	157.8	2.63	3.38	441.2	534.2	121
8	226.5	214.4	2.57	3.32	581.4	711.6	122
Central	**394.6**	**372.3**	**2.59**	**3.35**	**1,022.6**	**1,245.8**	**122**
9	76.9	68.8	2.19	3.35	168.5	230.8	137
10	6.1	8.1	2.02	3.50	12.2	28.3	231
Eastern	**83.0**	**76.9**	**2.18**	**3.37**	**180.7**	**259.1**	**143**
11	48.6	48.6	2.42	3.12	117.3	151.3	129
12	44.5	38.4	2.36	2.79	105.1	107.2	102
Interlake	**93.1**	**87.0**	**2.39**	**2.97**	**222.3**	**258.5**	**116**
Province	1,280.8	1,270.7	2.39	2.88	3,062.6	3,665.8	120

Agricultural Region	Harvested Acres (000)		Yield/Acre (bushels)		Production (000 bushels)		Production % Chg
1	395	455	30.4	37.0	12,010	16,830	140
2	385	375	32.7	36.2	12,580	13,590	108
3	355	335	36.8	39.8	13,050	13,340	102
Southwest	**1,135**	**1,165**	**33.2**	**37.6**	**37,640**	**43,760**	**116**
4	120	120	37.8	36.7	4,540	4,400	97
5	230	250	34.0	43.2	7,810	10,800	138
6	270	280	37.6	39.1	10,160	10,940	108
Northwest	**620**	**650**	**36.3**	**40.2**	**22,510**	**26,140**	**116**
7	415	390	39.1	50.3	16,210	19,630	121
8	560	530	38.1	49.3	21,360	26,150	122
Central	**975**	**920**	**38.5**	**49.8**	**37,570**	**45,780**	**122**
9	190	170	31.0	47.4	6,190	8,480	137
10	15	20	28.5	49.4	450	1,040	231
Eastern	**205**	**190**	**32.4**	**50.1**	**6,640**	**9,520**	**143**
11	120	120	35.9	46.3	4,310	5,560	129
12	110	95	35.1	41.5	3,860	3,940	102
Interlake	**230**	**215**	**35.5**	**44.2**	**8,170**	**9,500**	**116**
Province	3,165	3,140	35.6	42.9	112,530	134,700	120

NOTE: Totals may not all add due to rounding.

SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 23: Area, Yield and Production of Winter Wheat, 2002^R, 2003^P

Agricultural Region	Harvested Hectares (000) 2002	Harvested Hectares (000) 2003	Yield per Hectare (tonnes) 2002	Yield per Hectare (tonnes) 2003	Production (000 tonnes) 2002	Production (000 tonnes) 2003	Production % Chg 03/02
1	6.2	25.4	2.46	3.12	15.3	79.5	519
2	13.5	17.0	2.81	3.18	37.9	54.2	143
3	7.8	12.0	3.63	3.40	28.3	40.8	144
Southwest	**27.5**	**54.5**	**2.97**	**3.20**	**81.6**	**174.5**	**214**
4	0.7	0.7	3.49	3.76	2.4	2.4	101
5	2.4	0.8	2.73	2.96	6.5	2.4	38
6	3.1	3.1	2.78	2.82	8.5	8.7	102
Northwest	**6.1**	**4.6**	**2.84**	**2.98**	**17.4**	**13.6**	**78**
7	15.3	22.1	3.97	4.13	61.0	91.4	150
8	11.1	19.2	3.84	4.16	42.7	80.0	187
Central	**26.5**	**41.3**	**3.92**	**4.15**	**103.7**	**171.5**	**165**
9	10.6	12.1	3.26	5.92	34.7	71.8	207
10	0.1	0.4	3.21	4.89	0.4	2.2	573
Eastern	**10.8**	**12.6**	**3.26**	**5.88**	**35.1**	**74.0**	**211**
11	2.0	5.5	3.98	3.99	8.0	21.8	271
12	2.0	3.0	3.68	2.48	7.3	7.3	100
Interlake	**4.0**	**8.4**	**3.83**	**3.46**	**15.3**	**29.1**	**190**
Province	**74.9**	**121.4**	**3.38**	**3.81**	**253.1**	**462.7**	**183**

Agricultural Region	Harvested Acres (000)		Yield/Acre (bushels)		Production (000 bushels)		Production % Chg
1	15.4	62.9	36.6	46.4	563	2,920	519
2	33.3	42.1	41.8	47.3	1,394	1,990	143
3	19.3	29.7	54.0	50.5	1,040	1,500	144
Southwest	**67.9**	**134.6**	**44.1**	**47.6**	**2,997**	**6,410**	**214**
4	1.7	1.6	52.0	55.9	89	90	101
5	5.9	2.0	40.5	44.0	237	90	38
6	7.6	7.6	41.3	41.9	313	320	102
Northwest	**15.1**	**11.3**	**42.2**	**44.3**	**639**	**500**	**78**
7	37.9	54.6	59.1	61.5	2,240	3,360	150
8	27.5	47.5	57.1	61.9	1,570	2,940	187
Central	**65.4**	**102.1**	**58.2**	**61.7**	**3,810**	**6,300**	**165**
9	26.3	30.0	48.5	88.0	1,276	2,640	207
10	0.3	1.1	47.7	72.7	14	80	573
Eastern	**26.6**	**31.1**	**48.5**	**87.5**	**1,290**	**2,720**	**211**
11	5.0	13.5	59.1	59.3	295	800	271
12	4.9	7.3	54.7	36.8	269	270	100
Interlake	**9.9**	**20.8**	**56.9**	**51.4**	**564**	**1,070**	**190**
Province	**185.0**	**300.0**	**50.3**	**56.7**	**9,300**	**17,000**	**183**

NOTE: Totals may not all add due to rounding.

SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives.

OATS

Total production of oats for grain in 2003 increased to 1.1 million tonnes (71 million bushels). This does not include oats cut for hay or silage. In 2003, about 40,500 hectares (130,000 acres) of oats were planted and cut for hay or silage.

TABLE 24: Area, Yield and Production of Oats, 2002^R, 2003^P

Agricultural Region	Seeded Hectares (000)		Harvested Hectares (000)		Yield Per Hectare (tonnes)		Production (000 tonnes)		Production % Chg
	2002	2003	2002	2003	2002	2003	2002	2003	03/02
1	46.5	44.5	38.4	36.4	1.68	1.78	64.8	64.8	100
2	46.5	40.5	34.4	28.3	2.06	1.42	70.9	40.1	57
3	32.4	34.4	26.3	28.3	2.64	2.34	69.4	66.3	96
Southwest	**125.5**	**119.4**	**99.2**	**93.1**	**2.07**	**1.84**	**205.1**	**171.2**	**83**
4	16.2	12.1	12.1	8.1	2.29	2.10	27.8	17.0	61
5	12.1	10.1	8.1	8.1	1.71	2.48	13.9	20.0	144
6	36.4	28.3	30.4	26.3	2.13	2.35	64.8	61.7	95
Northwest	**64.8**	**50.6**	**50.6**	**42.5**	**2.10**	**2.32**	**106.4**	**98.7**	**93**
7	95.1	89.0	87.0	83.0	2.96	3.76	257.5	311.5	121
8	62.7	56.7	60.7	56.7	2.62	3.70	158.8	209.7	132
Central	**157.8**	**145.7**	**147.7**	**139.6**	**2.82**	**3.73**	**416.4**	**521.3**	**125**
9	62.7	46.5	58.7	46.5	2.65	3.68	155.8	171.2	110
10	4.0	6.1	2.0	4.0	2.29	3.05	4.6	12.3	267
Eastern	**66.8**	**52.6**	**60.7**	**50.6**	**2.64**	**3.63**	**160.4**	**183.5**	**114**
11	30.4	30.4	30.4	30.4	3.00	3.51	91.0	106.4	117
12	20.2	18.2	16.2	8.1	2.38	1.71	38.6	13.9	36
Interlake	**50.6**	**48.6**	**46.5**	**38.4**	**2.78**	**3.13**	**129.5**	**120.3**	**93**
Province	**465.4**	**416.8**	**404.7**	**364.2**	**2.52**	**3.01**	**1,017.9**	**1,095.0**	**108**
Agricultural Region	**Seeded Acres (000)**		**Harvested Acres (000)**		**Yield Per Acre (bushels)**		**Production (000 bushels)**		**Production % Chg**
1	115	110	95	90	44.2	46.7	4,200	4,200	100
2	115	100	85	70	54.1	37.1	4,600	2,600	57
3	80	85	65	70	69.2	61.4	4,500	4,300	96
Southwest	**310**	**295**	**245**	**230**	**54.3**	**48.3**	**13,300**	**11,100**	**83**
4	40	30	30	20	60.0	55.0	1,800	1,100	61
5	30	25	20	20	45.0	65.0	900	1,300	144
6	90	70	75	65	56.0	61.5	4,200	4,000	95
Northwest	**160**	**125**	**125**	**105**	**55.2**	**61.0**	**6,900**	**6,400**	**93**
7	235	220	215	205	77.7	98.5	16,700	20,200	121
8	155	140	150	140	68.7	97.1	10,300	13,600	132
Central	**390**	**360**	**365**	**345**	**74.0**	**98.0**	**27,000**	**33,800**	**125**
9	155	115	145	115	69.7	96.5	10,100	11,100	110
10	10	15	5	10	60.0	80.0	300	800	267
Eastern	**165**	**130**	**150**	**125**	**69.3**	**95.2**	**10,400**	**11,900**	**114**
11	75	75	75	75	78.7	92.0	5,900	6,900	117
12	50	45	40	20	62.5	45.0	2,500	900	36
Interlake	**125**	**120**	**115**	**95**	**73.0**	**82.1**	**8,400**	**7,800**	**93**
Province	**1,150**	**1,030**	**1,000**	**900**	**66.0**	**78.9**	**66,000**	**71,000**	**108**

NOTE: Totals may not all add due to rounding.

SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives.

BARLEY

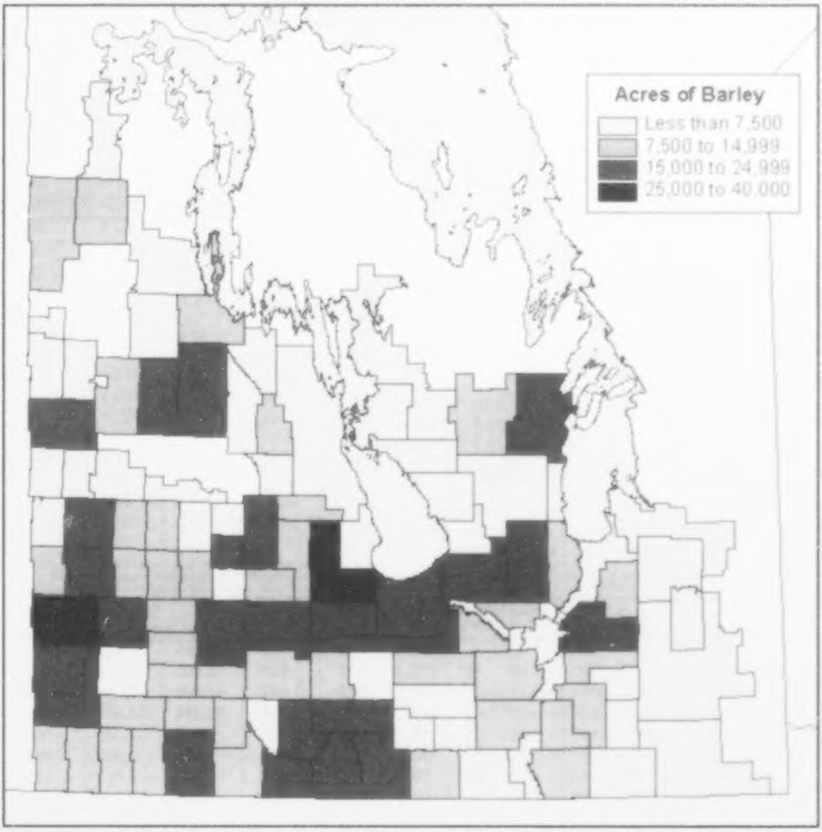
Barley production in 2003 was 1.37 million tonnes (63 million bushels), an increase of 17 percent from the 2002 level. An estimated 404,700 hectares (one million acres) were harvested, yielding an average of 63 bushels per acre. About 40,500 hectares (100,000 acres) were planted and cut for fodder in 2003.

TABLE25: Area, Yield and Production of Barley, 2002^R, 2003^P

Agricultural Region	Seeded Hectares (000)		Harvested Hectares (000)		Yield Per Hectare (tonnes)		Production		
							(000 tonnes)		% Chg
	2002	2003	2002	2003	2002	2003	2002	2003	03/02
1	54.6	54.6	50.6	50.6	2.58	2.75	130.6	139.3	107
2	76.9	76.9	66.8	68.8	2.77	2.69	185.1	185.1	100
3	58.7	62.7	54.6	56.7	3.07	3.27	167.7	185.1	110
Southwest	**190.2**	**194.3**	**172.0**	**176.0**	**2.81**	**2.89**	**483.4**	**509.5**	**105**
4	16.2	20.2	14.2	16.2	3.[illegible]	3.09	45.7	50.1	110
5	16.2	14.2	14.2	14.2	2.46	4.00	34.8	56.6	163
6	34.4	38.4	30.4	34.4	3.08	3.10	93.6	106.7	114
Northwest	**66.8**	**72.8**	**58.7**	**64.8**	**2.97**	**3.30**	**174.2**	**213.4**	**123**
7	48.6	44.5	44.5	40.5	3.23	4.09	143.7	165.5	115
8	60.7	56.7	58.7	54.6	3.15	4.06	185.1	222.1	120
Central	**109.3**	**101.2**	**103.2**	**95.1**	**3.19**	**4.08**	**328.8**	**387.6**	**118**
9	26.3	20.2	24.3	18.2	2.69	4.06	65.2	74.0	114
10	6.1	4.0	4.0	4.0	2.15	3.77	8.7	15.2	175
Eastern	**32.4**	**24.3**	**28.3**	**22.3**	**2.61**	**4.01**	**74.0**	**89.3**	**121**
11	24.3	24.3	24.3	22.3	2.96	4.30	71.9	95.8	133
12	22.3	28.3	18.2	24.3	2.39	3.14	43.5	76.2	175
Interlake	**46.5**	**52.6**	**42.5**	**46.5**	**2.72**	**3.70**	**115.4**	**172.0**	**149**
Province	**445.2**	**445.2**	**404.7**	**404.7**	**2.91**	**3.39**	**1,175.7**	**1,371.7**	**117**
Agricultural Region	**Seeded Acres (000)**		**Harvested Acres (000)**		**Yield Per Acre (bushels)**		**Production**		
							(000 bushels)		**% Chg**
1	135	135	125	125	48.0	51.2	6,000	6,400	107
2	190	190	165	170	51.5	50.0	8,500	8,500	100
3	145	155	135	140	57.0	60.7	7,700	8,500	110
Southwest	**470**	**480**	**425**	**435**	**52.2**	**53.8**	**22,200**	**23,400**	**105**
4	40	50	35	40	60.0	57.5	2,100	2,300	110
5	40	35	35	35	45.7	74.3	1,600	2,600	163
6	85	95	75	85	57.3	57.6	4,300	4,900	114
Northwest	**165**	**180**	**145**	**160**	**55.2**	**61.3**	**8,000**	**9,800**	**123**
7	120	110	110	100	60.0	76.0	6,600	7,600	115
8	150	140	145	135	58.6	75.6	8,500	10,200	120
Central	**270**	**250**	**255**	**235**	**59.2**	**75.7**	**15,100**	**17,800**	**118**
9	65	50	60	45	50.0	75.6	3,000	3,400	114
10	15	10	10	10	40.0	70.0	400	700	175
Eastern	**80**	**60**	**70**	**55**	**48.6**	**74.5**	**3,400**	**4,100**	**121**
11	60	60	60	55	55.0	80.0	3,300	4,400	133
12	55	70	45	60	44.4	58.3	2,000	3,500	175
Interlake	**115**	**130**	**105**	**115**	**50.5**	**68.7**	**5,300**	**7,900**	**149**
Province	**1,100**	**1,100**	**1,000**	**1,000**	**54.0**	**63.0**	**54,000**	**63,000**	**117**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives

MAP 6: Barley Acres by Rural Municipality, 2001 Census


Acres of Barley
Less than 7,500
7,500 to 14,999
15,000 to 24,999
25,000 to 40,000

SOURCE: Statistics Canada, Census of Agriculture, 2001

RYE

The total harvested area of rye was 20,200 hectares (50,000 acres) in 2003. The average yield was estimated at 40 bushels per acre in 2003 compared to 33.3 bushels per acre in 2002.

TABLE 26: Area, Yield and Production of All Rye, 2002^r, 2003^p

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		Production % Chg
	2002	2003	2002	2003	2002	2003	03/02
1	4.5	5.7	1.66	2.39	7.4	13.6	183
2	6.7	7.1	1.98	2.15	13.4	15.3	115
3	1.4	1.2	2.17	2.40	3.1	2.8	90
Southwest	**12.7**	**14.0**	**1.89**	**2.27**	**23.9**	**31.8**	**133**
4	0.0	0.0	2.58	0.00	0.1	0.0	-
5	0.1	0.1	1.71	2.61	0.2	0.4	162
6	0.9	0.6	2.05	2.73	1.8	1.6	90
Northwest	**1.1**	**0.7**	**2.03**	**2.71**	**2.1**	**2.0**	**93**
7	1.9	2.2	2.51	3.01	4.8	6.5	135
8	2.0	2.6	2.93	3.29	5.7	8.4	147
Central	**3.9**	**4.7**	**2.73**	**3.16**	**10.6**	**14.9**	**141**
9	0.2	0.5	2.44	2.25	0.5	1.1	237
10	0.2	0.1	1.25	2.26	0.2	0.2	98
Eastern	**0.3**	**0.6**	**1.90**	**2.25**	**0.6**	**1.3**	**196**
11	0.0	0.0	0.00	0.00	0.0	0.0	-
12	0.3	0.2	2.98	3.69	0.8	0.9	110
Interlake	**0.3**	**0.2**	**2.98**	**3.69**	**0.8**	**0.9**	**110**
Province	**18.2**	**20.2**	**2.08**	**2.50**	**38.1**	**50.8**	**133**
Agricultural Region	**Harvested Acres (000)**		**Yield/Acre (bushels)**		**Production (000 bushels)**		**Production % Chg**
1	11.1	14.0	26.41	38.14	291.9	534.9	183
2	16.7	17.6	31.61	34.29	527.1	604.0	115
3	3.6	2.9	34.63	38.18	123.8	111.0	90
Southwest	**31.3**	**34.6**	**30.12**	**36.18**	**942.8**	**1,249.9**	**133**
4	0.1	0.0	41.16	0.00	4.5	0.0	-
5	0.3	0.3	27.21	41.54	8.9	14.3	162
6	2.2	1.5	32.72	43.57	71.2	64.3	90
Northwest	**2.6**	**1.8**	**32.38**	**43.18**	**84.5**	**78.6**	**93**
7	4.7	5.3	40.03	47.99	189.6	255.2	135
8	4.8	6.3	46.73	52.42	225.9	331.4	147
Central	**9.6**	**11.6**	**43.41**	**50.40**	**415.5**	**586.6**	**141**
9	0.5	1.2	38.83	35.89	17.8	42.2	237
10	0.4	0.2	19.84	36.01	7.5	7.4	98
Eastern	**0.8**	**1.4**	**30.22**	**35.91**	**25.3**	**49.6**	**196**
11	0.0	0.0	0.00	0.00	0.0	0.0	-
12	0.7	0.6	47.52	58.72	32.1	35.3	110
Interlake	**0.7**	**0.6**	**47.52**	**58.72**	**32.1**	**35.3**	**110**
Province	**45.0**	**50.0**	**33.30**	**40.00**	**1,500.1**	**2,000.1**	**133**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives.

MIXED GRAINS

An estimated 8,200 tonnes (40,000 bushels) of mixed grains were produced in 2003, only 40 percent of 2002. The harvested area in 2003 was 4,000 hectares (10,000 acres), half of the 2002 level. This does not include mixed grains harvested as hay or silage.

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CANOLA

The area of canola harvested in 2003 was 1.0 million hectares (2.5 million acres), 15.7 percent more than in 2002. The average yield was estimated at 31.3 bushels per acre.

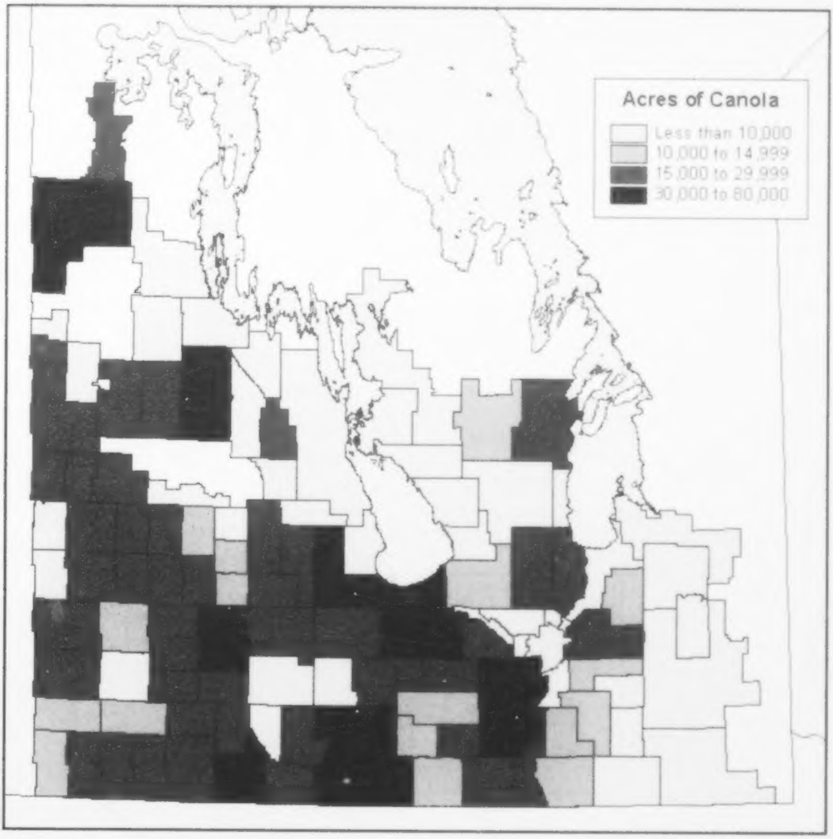
TABLE 27: **Area, Yield and Production of Canola, 2002^R, 2003^P**

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production		
					(000 tonnes)		% Chg
	2002	2003	2002	2003	2002	2003	03/02
1	105.2	111.3	1.37	1.28	144.0	142.9	99
2	85.0	105.2	1.57	1.25	133.8	131.5	98
3	99.2	125.5	1.69	1.63	167.8	204.1	122
Southwest	**289.4**	**342.0**	**1.54**	**1.40**	**445.7**	**478.5**	**107**
4	32.4	40.5	1.54	1.63	49.9	65.8	132
5	60.7	85.0	1.49	2.13	90.7	181.4	200
6	80.9	80.9	1.57	1.58	127.0	128.1	101
Northwest	**174.0**	**206.4**	**1.54**	**1.82**	**267.6**	**375.4**	**140**
7	121.4	137.6	1.87	2.10	226.8	289.2	128
8	141.6	167.9	1.79	1.96	252.9	328.9	130
Central	**263.1**	**305.5**	**1.82**	**2.02**	**479.7**	**618.0**	**129**
9	60.7	60.7	1.61	1.98	97.5	120.2	123
10	6.1	6.1	1.31	2.05	7.9	12.5	157
Eastern	**66.8**	**66.8**	**1.58**	**1.99**	**105.5**	**132.7**	**126**
11	38.4	44.5	1.74	2.09	66.9	93.0	139
12	38.4	42.5	1.65	1.68	63.5	71.4	113
Interlake	**76.9**	**87.0**	**1.70**	**1.70**	**130.4**	**164.4**	**126**
Province	**870.1**	**1,007.7**	**1.64**	**1.76**	**1,428.8**	**1,769.0**	**124**

Agricultural Region	Harvested Acres (000)		Yield/Acre (bushels)		Production		
					(000 bushels)		% Chg
1	260	275	24.4	22.9	6,350	6,300	99
2	210	260	28.1	22.3	5,900	5,800	98
3	245	310	30.2	29.0	7,400	9,000	122
Southwest	**715**	**845**	**27.5**	**25.0**	**19,650**	**21,100**	**107**
4	80	100	27.5	29.0	2,200	2,900	132
5	150	210	26.7	38.1	4,000	8,000	200
6	200	200	28.0	28.3	5,600	5,650	101
Northwest	**430**	**510**	**27.4**	**32.5**	**11,800**	**16,550**	**140**
7	300	340	33.3	37.5	10,000	12,750	128
8	350	415	31.9	34.9	11,150	14,500	130
Central	**650**	**755**	**32.5**	**36.1**	**21,150**	**27,250**	**129**
9	150	150	28.7	35.3	4,300	5,300	123
10	15	15	23.3	36.7	350	550	157
Eastern	**165**	**165**	**28.2**	**35.5**	**4,650**	**5,850**	**126**
11	95	110	31.1	37.3	2,950	4,100	139
12	95	105	29.5	30.0	2,800	3,150	113
Interlake	**190**	**215**	**30.3**	**33.7**	**5,750**	**7,250**	**126**
Province	**2,150**	**2,490**	**29.3**	**31.3**	**63,000**	**78,000**	**124**

NOTE: Totals may not all add due to rounding.
SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives.

MAP 7: Canola Acres by Rural Municipality, 2001 Census


Acres of Canola
Less than 10,000
10,000 to 14,999
15,000 to 29,999
30,000 to 80,000

SOURCE: Statistics Canada, Census of Agriculture, 2001

FLAXSEED

In 2003, 195,600 tonnes (7.7 million bushels) were produced, down by 8.9 percent from 2002.

TABLE 28: Area, Yield and Production of Flaxseed, 2002^{R}, 2003^{P}

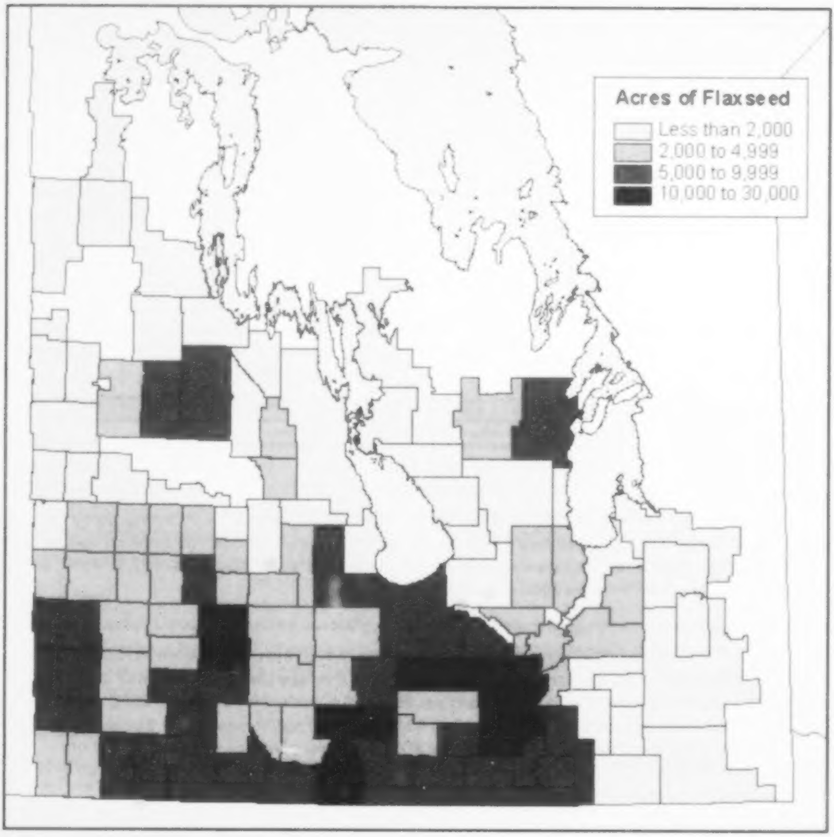
Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production		
					(000 tonnes)		% Chg
	2002	2003	2002	2003	2002	2003	03/02
1	28.3	27.1	0.95	0.96	26.9	26.2	97
2	24.3	23.1	1.21	1.15	29.5	26.4	90
3	22.3	23.5	1.35	1.31	30.0	30.7	103
Southwest	**74.9**	**73.7**	**1.15**	**1.13**	**86.4**	**83.3**	**96**
4	2.4	2.4	1.46	1.46	3.6	3.6	100
5	0.8	0.4	0.94	1.26	0.8	0.5	67
6	8.1	9.3	1.22	1.17	9.9	10.9	110
Northwest	**11.3**	**12.1**	**1.26**	**1.23**	**14.2**	**15.0**	**105**
7	24.3	20.6	1.43	1.58	34.8	32.5	93
8	36.4	29.1	1.30	1.24	47.5	36.1	76
Central	**60.7**	**49.8**	**1.36**	**1.38**	**82.3**	**68.6**	**83**
9	11.7	10.5	1.28	1.38	15.0	14.5	97
10	2.0	0.4	1.00	1.26	2.0	0.5	25
Eastern	**13.8**	**10.9**	**1.24**	**1.37**	**17.0**	**15.0**	**88**
11	6.1	5.3	1.30	1.30	7.9	6.9	87
12	5.3	6.1	1.30	1.13	6.9	6.9	100
Interlake	**11.3**	**11.3**	**1.30**	**1.21**	**14.7**	**13.7**	**93**
Province	**172.0**	**157.8**	**1.20**	**1.24**	**214.6**	**195.6**	**91**

Agricultural Region	Harvested Acres (000)		Yield/Acre (bushels)		Production		
					(000 bushels)		% Chg
1	70.0	67.0	15.14	15.37	1,060.0	1,030.0	97
2	60.0	57.0	19.33	18.25	1,160.0	1,040.0	90
3	55.0	58.0	21.45	20.86	1,180.0	1,210.0	103
Southwest	**185.0**	**182.0**	**18.38**	**18.02**	**3,400.0**	**3,280.0**	**96**
4	6.0	6.0	23.33	23.33	140.0	140.0	100
5	2.0	1.0	15.00	20.00	30.0	20.0	67
6	20.0	23.0	19.50	18.70	390.0	430.0	110
Northwest	**28.0**	**30.0**	**20.00**	**19.67**	**560.0**	**590.0**	**105**
7	60.0	51.0	22.83	25.10	1,370.0	1,280.0	93
8	90.0	72.0	20.78	19.72	1,870.0	1,420.0	76
Central	**150.0**	**123.0**	**21.60**	**21.95**	**3,240.0**	**2,700.0**	**83**
9	29.0	26.0	20.34	21.92	590.0	570.0	97
10	5.0	1.0	16.00	20.00	80.0	20.0	25
Eastern	**34.0**	**27.0**	**19.71**	**21.85**	**670.0**	**590.0**	**88**
11	15.0	13.0	20.67	20.77	310.0	270.0	87
12	13.0	15.0	20.77	18.00	270.0	270.0	100
Interlake	**28.0**	**28.0**	**20.71**	**19.29**	**580.0**	**540.0**	**93**
Province	**425.0**	**390.0**	**19.88**	**19.74**	**8,450.0**	**7,700.0**	**91**

NOTE: Totals may not all add due to rounding.

SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives.

MAP 8: Flaxseed Acres by Rural Municipality, 2001 Census


Acres of Flaxseed
Less than 2,000
2,000 to 4,999
5,000 to 9,999
10,000 to 30,000

SOURCE: Statistics Canada, Census of Agriculture, 2001

TABLE 29: Area and Production of Major Grains & Oilseeds, 2002^R, 2003^P

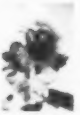
Agri-cultural Region	Harvested Area				Production				2003/2002 (% change) (metric)		Distribution of Production (% - metric)	
	(000 ha)		(000 ac)		(000 tonnes)		(000 bushels)					
	2002	2003	2002	2003	2002	2003	2002	2003	Area	Prod'n	2002	2003
1	403	446	995	1,103	730	938	30,972	20,240	111	129	10	11
2	396	404	977	998	836	829	35,487	15,830	102	99	12	10
3	356	383	880	946	824	893	35,074	14,840	107	108	11	10
Southwest	**1,154**	**1,233**	**2,853**	**3,047**	**2,389**	**2,660**	**101,533**	**50,910**	**107**	**111**	**33**	**31**
4	110	117	273	290	253	261	10,874	4,570	106	103	3	3
5	180	210	444	519	360	556	14,609	10,910	117	154	5	6
6	263	269	650	665	582	617	25,031	11,300	102	106	8	7
Northwest	**553**	**596**	**1,367**	**1,474**	**1,195**	**1,433**	**50,514**	**26,780**	**108**	**120**	**17**	**17**
7	463	465	1,143	1,149	1,170	1,435	53,320	23,150	101	123	16	17
8	537	546	1,328	1,350	1,275	1,601	54,996	29,260	102	126	18	19
Central.....	**1,000**	**1,011**	**2,471**	**2,499**	**2,445**	**3,037**	**108,315**	**52,410**	**101**	**124**	**34**	**35**
9	243	217	601	537	537	684	25,478	11,120	89	127	7	8
10	21	23	51	57	36	71	1,598	1,120	113	197	-	1
Eastern....	**264**	**241**	**651**	**594**	**573**	**755**	**27,075**	**12,240**	**91**	**132**	**8**	**9**
11	150	156	370	386	363	475	17,060	6,360	104	131	5	5
12	125	123	309	304	266	285	11,732	4,250	99	107	4	3
Interlake..	**275**	**279**	**679**	**691**	**629**	**760**	**28,792**	**10,610**	**102**	**121**	**9**	**9**
Province..	**3,246**	**3,361**	**8,020**	**8,305**	**7,230**	**8,645**	**316,230**	**152,950**	**104**	**120**	**100**	**100**

SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives.

Grain Corn

Harvested grain corn in 2003 were estimated at 85,000 hectares (210,000 acres), up by 36 percent from 2002. The estimated total production of 495,300 tonnes (19.5 million bushels) was up 34 percent from the 2002 level. The total value of production in 2003 was estimated at $62.5 million, an increase of 19.0 percent from the 2002 estimate.

Sunflower Seed



In 2003 there were 87,000 hectares (215,000 acres) of sunflowers harvested, up by 7.5 percent from the harvested area in 2002. The average yield was estimated at 1,430 kilograms per hectare (1,279 pounds per acre), 10.6 percent lower than in 2002. Total production of sunflower seed was 124,700 tonnes (275 million pounds), 8.3 percent below the 2002 level. About 73 percent of the 2003 sunflower plantings was non-oilseed or confectionary varieties. The value of sunflower seed production was estimated at $39.3 million in 2003, a decrease of 37.3 percent from 2002.

Buckwheat

About 6,100 hectares (15,000 acres) of buckwheat were harvested in 2003, down by 24.7 percent from 2002. The average yield was estimated at 900 kilograms per hectare (16.3 bushels per acre), the same as in 2002. The total production was 5,400 tonnes (250,000 bushels) in 2003, 23.9 percent below the 2002 level. The total value of the Manitoba buckwheat crop in 2003 was estimated at $1.8 million, down by 26.6 percent from 2002.

Canary Seed

The area of canary seed harvested in 2003 was 24,300 hectares (60,000 acres), a 40 percent decline from 2002. The total production of canary seed was about 31,800 tonnes (70 million pounds) in 2003, almost the same as in 2002. Comparable production in combination with lower prices resulted in the value of the canary seed crop declining by 40.5 percent to $11.3 million in 2003.

Dry Beans

In 2003, 89,000 hectares (220,000 acres) of dry beans were harvested in Manitoba. About 49,800 harvested hectares (123,000 acres) were pinto beans with the remaining area in black (13 percent), kidney (10 percent), cranberry beans (3 percent) and/or red beans (5 percent). The total farm gate value of all beans in Manitoba in 2003 was estimated to be $73.7 million, down by 12.2 percent from 2002, from a production of 165,500 tonnes (365 million pounds).

Dry Peas

The area of dry peas harvested in 2003 was estimated at 54,600 hectares (135,000 acres), compared to a harvested area of 80,800 hectares (200,000 acres) in 2002. The average yield was estimated at 2,500 kilograms per hectare (37.4 bushels per acre), 13.6 percent above the 2002 yield. Manitoba's total production of 137,400 tonnes (5.05 million bushels) was down by 22.3 percent from the 2002 production. The value of the Manitoba crop was estimated at $23.8 million in 2003, 34.2 percent less than in 2002.

Fababeans

In 2003, about 4,000 hectares (10,000 acres) of fababeans were harvested in Manitoba, unchanged from 2002. Prices averaged $162 per tonne (7.3 cents per pound). The 2003 crop of 6,600 tonnes (14.5 million pounds) was worth $1.07 million.

Hemp

Industrial hemp was planted commercially in Manitoba in 1998 for the first time in nearly sixty years. In total, 606 hectares (1,497 acres) of hemp were licensed in Manitoba in 1998. The area rose to 6,500 hectares (16,000 acres) in 1999, fell to 600 hectares (1,500 acres) by 2001, increased to 650 hectares (1,600 acres) in 2002, increased to 2,300 hectares (6,000 acres), which produced about 1,700 tonnes (3.8 million pounds) of clean, dry oilseed. The total value of hemp grain and seed production in 2003 was estimated at $ 1.9 million.

Lentils

There were approximately 1,600 hectares (4,000 acres) of lentils harvested in Manitoba in 2003 compared to 130 hectares (300 acres) in 2002. The average yield in 2003 was 1,690 kilograms per hectare (1,500 pounds per acre) compared to 560 kilograms per hectare (500 pounds per acre) in 2002. Total production was approximately 2,700 tonnes (6.0 million pounds) in 2003, valued at about $1.06 million, compared to a 2002 value of $0.04 million.

Mustard Seed

The area of mustard seed harvested in 2003 was estimated at 10,100 hectares (25,000 acres), down by 16.5 percent from 2002. Yields averaged 1,030 kilograms per hectare (912 pounds per acre). The value to Manitoba producers of the 2003 mustard crop of 10,400 tonnes (22.8 million pounds) was about $3.82 million.

Sugar Beets

No sugar beets have been produced in Manitoba since 1996 due to the closure of Rogers Sugar Ltd. processing plant in January, 1997.

Soybeans

The estimated harvested area of soybeans in 2003 increased to 89,000 hectares (220,000 acres) in 2003, up by 69.2 percent from 2002. Yields of 1,700 kilograms per hectare (25.0 bushels per acre) were down 18.9 percent from 2002. About 149,700 tonnes (5.5 million bushels) were produced with a value of $52.3 million.

Triticale

About 1,200 hectares (3,000 acres) of triticale were harvested in 2003, the same as in 2002.

Wild Rice

The reported harvest of wild rice in Manitoba in 2003 was 500 tonnes (1 million pounds), 47 percent more than the 2002 crop. This production is reported on a producer or green basis at 50-60 percent moisture. Prices averaged $2.20/kg ($1.00/lb). The value of 2003 sales was estimated at $1,000,000, while the 2002 crop was valued at $640,000. Processing plants in the province cure, parch and then market the wild rice at close to 8 percent moisture level. Wild rice from Manitoba is all natural lake or river-grown with no paddy rice farms. There are two major growing areas, one east of Lake Winnipeg in the Whiteshell area and one in the northwest around The Pas and Flin Flon.

Fodder Corn

In 2003, 24,300 hectares (60,000 acres) of fodder corn were harvested, 50 percent more than in 2002. With yields of 26.1 tonnes per hectare (11.7 tons per acre), 635,000 tonnes (700,000 tons) of silage were produced, a 74.9 percent increase from 2002. The value of production is estimated at $17.25 million in 2003, 40.6 percent more than the 2002 value of $12.27 million.

Medicinal, Herb, Aromatic, Spice and Essential Oil Crops

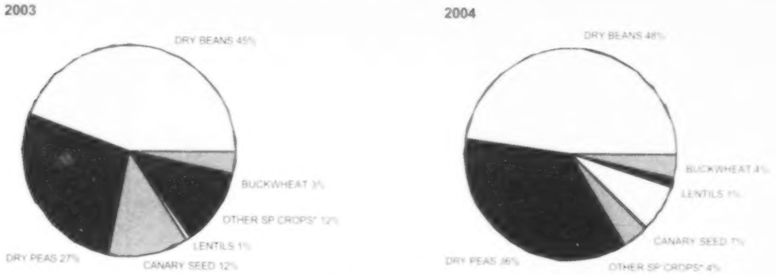
The production of **medicinal, herb, aromatic and spice crops** is spread throughout the province with higher concentrations of growers in the Central and Southwest Regions. The rapid growth of the medicinal/aromatic market a few years ago has slowed as markets adjust to demand pressures. Although prices in general remained fairly similar to 2002 levels, there was a downturn in prices for some commodities along with more demanding standards required by buyers. Spice crops have been relatively unaffected by this market adjustment with most spice crop prices remaining fairly stable. Medicinal, aromatic and herb crop prices vary according to quality, quantity, active ingredient content, perceived medicinal value, botanical authenticity, availability and extent of processing.

The area planted to **medicinal, herb and aromatic crops** of about 150 - 250 hectares (350 - 600 acres) has decreased for 2003 and has produced an estimated 900 tonnes (2.0 million pounds) in 2003 with a value of about approximately $2.0 million. **Echinacea** *angustifolia* dried root prices averaged between $16 - $25/lb in 2003, but were as low as $10 to $12/lb with botanical authenticity & active ingredient content being the deciding price factor. Seed prices averaged $650-$800/lb similar to 2002, depending on quality, organic status etc., but were as low as $350 to $400/lb. Other crops grown were feverfew, valerian, horseradish and various contracted medicinals.

Spices and other specialty crops, such as coriander, caraway and safflower, occupied a lower seeded area in 2003 with safflowerseed acres lower than previous years due to market conditions for the oil. **Coriander** and **caraway** remain the major spice crops in Manitoba with 1340 hectares (3,300 acres). Similar to medicinal and aromatic plants, these crops are contracted with brokers and processors. Average prices in 2003 were close to 2002 levels. The average price for caraway in 2003 was $0.40/lb, coriander was $0.29/lb and fenugreek was $0.20/lb similar to 2002 levels. Dill (seed) was priced at $0.30/lb. **Safflowerseed** is grown for birdseed or for its high-quality edible oil. The area of safflowerseed planted and harvested in 2003 was considerably lower than the 400 hectares (1,000 acres) produced in 2002 with production reportedly spread widely across the province, compared to little or none seeded three years earlier. The area planted to **borage**, declined to almost zero in 2001/02 as no contracts were offered. In 2003, however, the market returned with approximately 5,300 acres (2,145 hectares) being contracted by a Saskatchewan processor with prices ranging from $1.60 - $2.20/lb.

It is very significant to note that prices for "certified organic" medicinals, herbs, aromatics, spices and other specialty crops can be anywhere from the same as "conventionally produced" (using of synthetic pest control products and fertilizers) to prices that are between 2 and 3 times and upwards of 6 times that of non certified organically produced. Quality still is the crucial deciding factor when it comes to obtaining premium prices and there are many quality factors involved, including active ingredient content, foreign materials, microbial load, size, colour, taste, presence of mould and correct variety. The correct species (variety/cultivar) is critically important with most of these commodities because one variety of the same species of plant can be significantly different from another especially with regards to the active ingredient content and the medicinal properties. Correct selection of the proper species and variety is crucial in this industry and many costly mistakes have been made in the early years and is unfortunately still occurring due to unscrupulous salespeople, ambiguity with species identification and simple mistakes made by someone in the supply chain. Quality is the driving factor in this industry determining the future success of this industry in Canada as knowledgeable consumers demand product with certified levels of active ingredient and traceability throughout the entire product cycle.

CHART 8: **Area of Selected Special Crops Planted, 2003, 2004**



* Excludes grain and fodder corn, sunflowers, soybeans and triticale

SOURCE: Statistics Canada

PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

STRAW FOR PROCESSING

Flax

In 2002, 90,000 tonnes (100,000 tons) of flax straw were purchased for an average price of $5.50/tonne ($5.00/ton). The total value of the straw in 2002 was $0.5 million. No data available for 2003.

Wheat

About 70,000 tonnes (80,000 tons) of wheat and barley straw were sold in 2002 for about $10.00/tonne ($9.00/ton) for processing into straw board and other products, such as erosion control blankets. The approximate farm gate value of straw sold in 2002 was $0.7 million. No data available for 2003.

TAME HAY AND PASTURE

In 2003, the area harvested for tame hay (dry hay and silage) was at 860,000 hectares (2,125,000 acres), up 5 percent from the 2002 estimate. Hay production decreased by about 1 percent to 2.13 million tonnes (2.35 million tons) in 2003.

TABLE 30: Area of Tame Hay (dry hay only), 2002^R, 2003^P

Agricultural Region	Harvested Hectares (000)			Harvested Acres (000)			% Chg
	2001	2002	2003	2001	2002	2003	03/02
1	63	59	63	155	145	155	107
2	81	73	89	200	180	220	122
3	73	65	83	180	160	205	128
Southwest	**217**	**196**	**235**	**535**	**485**	**580**	**120**
4	51	51	47	125	125	115	92
5	45	32	36	110	80	90	113
6	121	107	121	300	265	300	113
Northwest	**217**	**190**	**204**	**535**	**470**	**505**	**107**
7	89	81	91	220	200	225	113
8	59	57	59	145	140	145	104
Central	**148**	**138**	**150**	**365**	**340**	**370**	**109**
9	63	53	53	155	130	130	100
10	38	36	28	95	90	70	78
Eastern	**101**	**89**	**81**	**250**	**220**	**200**	**91**
11	49	36	38	120	90	95	106
12	166	170	152	410	420	375	89
Interlake	**214**	**206**	**190**	**530**	**510**	**470**	**92**
Province	**896**	**820**	**860**	**2,215**	**2,025**	**2,125**	**105**

SOURCE: Statistics Canada.

TABLE 31: Area of Summerfallow, 2002[R], 2003[P]

Agricultural Region	Hectares (000)			Acres (000)			% Chg
	2001	2002	2003	2001	2002	2003	03/02
1	25	7	10	60	20	25	125
2	31	18	16	80	45	40	89
3	47	22	18	115	55	45	82
Southwest	**104**	**48**	**43**	**255**	**120**	**105**	**88**
4	20	12	8	50	30	20	67
5	10	7	5	25	15	10	67
6	22	19	8	55	45	20	45
Northwest	**52**	**37**	**21**	**130**	**90**	**50**	**55**
7	25	11	4	60	25	10	40
8	18	4	4	45	10	10	100
Central	**42**	**14**	**8**	**105**	**35**	**20**	**56**
9	25	5	3	60	10	10	100
10	8	4	2	20	10	5	50
Eastern	**33**	**9**	**5**	**80**	**20**	**15**	**75**
11	12	5	2	30	10	5	50
12	20	9	9	50	20	25	125
Interlake	**32**	**13**	**11**	**80**	**30**	**25**	**83**
Province	**263**	**121**	**89**	**650**	**300**	**220**	**73**

SOURCE: Statistics Canada.

TABLE 32: Summary of Irrigated Acres by Crop, 1988 - 2001

Crop	1988[1]	1991[2]	1994[2]	1997[2]	1999[2R]	2001[2*]	2003[2*]	% of 2003 Acreage	# of Farms in 2003
	acres								
Potatoes	8,601	17,475	31,262	42,139	46,435	54,417	58,174	75.6	98
Cereals	8,324	5,480	4,909	10,509	10,395	5,420	6,745	8.8	15
Vegetables	2,670	2,651	3,107	3,355	3,353	3,366	2,987	3.9	18
Forages	4,837	3,750	3,962	2,525	3,005	2,450	6,541	8.5	14
Oilseeds	1,091	982	1,096	1,635	1,317	389	1,683	2.2	7
Nursery	870	692	797	517	374	95	125	0.2	4
Fruit	656	613	616	468	493	39	45	0.1	3
Pulse	NA	800	500	465	752	1,605	352	0.5	4
Sod	2,200	2,590	2,670	280	310	200	300	0.4	1
Grass Seed	NA	NA	447	195	522	NA	NA	NA	NA
Sugar Beets	NA	405	307	NA	NA	NA	NA	NA	NA
Special Crops[3]	2,272	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL	**31,521**	**35,438**	**49,673**	**62,088**	**66,956**	**67,981**	**76,952**	-	-

[1] Survey conducted by Manitoba Agriculture.

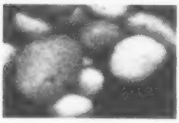
[2] Survey conducted by the Association of Irrigators in Manitoba.

[3] Crop classification used in 1988 only. Special crops – sugar beets, corn for silage, beans, sunflowers, peas, lentils, mustard, buckwheat and canary seed.

* 2001 and 2003 surveys only include farms irrigating more than 50 acres.

SOURCE: Association of Irrigators of Manitoba, Census of Agriculture 2001.

POTATOES



The spring conditions allowed for early planting. The summer months were hot and dry. Irrigation was used to reduce the moisture stress on the crop, but even under irrigation, the conditions had an impact on quality. September weather provided for continued growth, tuber bulking and good harvest conditions.

Some acres were lost to soft rot seed piece decay early in the season, but this was limited to one area of the province. The late blight forecasting network was once again utilized and the disease was not found in the province until late in the season. The low levels of late blight combined with the dry growing season resulted in a low incidence of tuber rots, and the crop stored successfully throughout the year.

Colorado potato beetle levels were lower than in past years. As in 2002, aphid populations were relatively low but potato flea beetle had a population increase compared to 2002 and were a problem in the central region of the province. Potato leafhopper is an occasional, migratory pest of potato in Manitoba, and did cause considerable damage in some areas in August.

Harvested acreage in 2003 was significantly higher than in 2002. This increase was driven by the French fry processing industry, with additional acres being planted for the J.R. Simplot plant in Portage la Prairie. Seed sales were lower than in 2002, but the fresh market sales increased compared to the previous year.

Estimated harvested area, marketed production and value in 2002 are as follows:

TABLE 33: Area, Marketings and Value of Potatoes, 2003

	Harvested Area		Marketings		Average Price		Value
	Acres	**Hectares**	**(000 cwt)**	**(tonnes)**	**$/cwt**	**$/kg**	**($000)**
Processing	84,141	34,050	18,852	855,103	8.35	0.184	157,331
Seed*	9,480	3,840	820	37,196	10.29	0.227	8,434
Fresh Market	7,879	3,190	1,150	52,145	12.65	0.279	14,546
TOTAL	**101,500**	**41,080**	**20,821**	**944,444**	**8.66**	**0.191**	**180,311**

* A large percentage of the harvested seed crop is retained for recertification or sold into the processing or fresh market sectors. Those marketings are included in the totals.

SOURCE: Manitoba Agriculture, Food and Rural Initiatives.

VEGETABLES

The 2003 field season weather conditions were generally favourable for vegetable production. Even with a cool spring, most regions experienced a long growing season with good heat units and late fall frost (late September-early October). Most vegetable crops saw an increase in total planted acres and yields compared to 2002. Sweet corn and most other heat-loving crops (peppers, squash, pumpkin) had average to above average yields. Generally there were minor disease and pest problems in 2003; however, some harvested onions did develop neck rot in storage. Overall, vegetable production since 2001 has remained stable, with average prices remaining unchanged compared to past years. However, tomato, asparagus and broccoli crops experienced good price increases compared to 2002.

TABLE 34: Area, Marketings and Value of Fresh Vegetables, 2003

	No. of Census Farms 2001	Area Planted Acres		Area Harvested (acres)	Marketings (000 lb.)	Average Price ($/lb.)	Total Value ($000)
		Census 2001	Commercial 2003				
Asparagus	26	142	X	X	X	1.71	X
Beans, green/wax	66	100	X	X	X	0.88	X
Beets	57	107	X	X	X	0.36	X
Broccoli	36	378	X	X	X	1.00	X
Cabbage (incl. Chinese)	59	430	455	345	5,030	0.14	700
Carrots*	66	722	800	770	17,109	0.23	3,995
Cauliflower	31	470	X	X	X	0.34	X
Celery (est)	11	120	X	X	X	0.35	X
Corn, sweet	134	838	750	525	3,135	0.24	750
Cucumbers & Gherkins	90	158	150	125	1,365	0.32	440
Leeks	NA	10	5	5	65	0.77	50
Lettuce	31	135	X	X	X	0.56	X
Onions, dry	63	520	525	490	15,280	0.20	3,010
Onions, green	25	40	X	X	X	0.52	X
Parsnips	NA	65	X	X	X	0.67	X
Peas, green (in shell) (est.)	57	90	X	X	X	0.87	X
Peppers	47	61	45	40	447	0.43	190
Pumpkins	see squash	92	100	95	1,235	0.14	170
Radishes	28	48	X	X	X	0.33	X
Rutabagas & Turnips	12	27	X	X	X	0.20	X
Squash***	80	100	80	80	850	0.32	270
Tomatoes (est)	82	49	30	30	75	0.93	70
Others**	NA	143	1,835	1,685	19,208	0.31	5,859
TOTAL	**258**	**4,875**	**4,775**	**4,190**	**63,799**	**0.24**	**15,504**

* Cleaned/washed and bagged product.

** Includes brussel sprouts, Chinese vegetables, daikon, dillweed, eggplant, garlic, gourds, herbs, kale, kohlrabi, melons, parsley, rhubarb and spinach.

*** Census farms includes pumpkins.

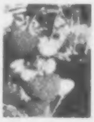
X Confidential.

SOURCE: Statistics Canada, Peak of the Market, Vegetable Growers of Manitoba, Manitoba Agriculture, Food and Rural Initiatives.

TABLE34: Vegetables Continued

	No. of Census Farms 2001	Area Planted Hectares		Area Harvested (hectares)	Marketings (tonnes)	Average Price ($/kg)	Total Value ($000)
		Census 2001	Commerical 2003				
Asparagus	26	57	X	X	X	3.77	X
Beans, green/wax	66	40	X	X	X	1.94	X
Beets	57	43	X	X	X	0.79	X
Broccoli	36	153	X	X	X	2.20	X
Cabbage (incl. Chinese)	59	174	184	140	2,282	0.31	700
Carrots*	66	292	324	312	7,760	0.51	3,995
Cauliflower	31	190	X	X	X	0.75	X
Celery (est)	11	49	X	X	X	0.77	X
Corn, sweet	134	339	304	212	1,422	0.53	750
Cucumbers & Gherkins	90	64	61	51	619	0.71	440
Leeks	NA	4	2	2	29	1.70	50
Lettuce	31	55	X	X	X	1.23	X
Onions, dry	63	210	212	198	6,931	0.44	3,010
Onions, green	25	16	X	X	X	1.15	X
Parsnips	NA	26	X	X	X	1.48	X
Peas, green (in shell) (est)	57	36	X	X	X	1.92	X
Peppers	47	25	18	16	203	0.95	190
Pumpkins	see squash	37	40	38	560	0.31	170
Radishes	28	19	X	X	X	0.73	X
Rutabagas & Turnips	12	11	X	X	X	0.44	X
Squash***	80	40	32	32	386	0.71	270
Tomatoes (est)	82	20	12	12	34	2.05	70
Others**	NA	58	743	682	8,713	0.68	5,859
TOTAL	**258**	**1,973**	**1,932**	**1,696**	**28,939**	**0.49**	**15,504**

ORNAMENTAL CROPS & FRUIT



The lack of snow cover over the winter of 2002-2003 resulted in severe winterkill to many strawberry fields throughout the province. This reduced the amount of harvested acres substantially in 2003. Cool spring temperatures delayed strawberry flower development. Late blooming of the fields pushed picking back into early July to mid-July. Yields per acre were reduced as a result of severe winterkill, however quality of the crop was good. U-Pick prices $6.00-8.00 per pail ($1.20-1.60/lb). Pre-pick $10.00-12.00 per pail ($1.80-2.18/lb).

Saskatoons - average to above average yields. Flowering was delayed slightly as a result of the cool spring weather. Picking was completed around mid-July for most growers. Prices for Saskatoons ranged from $2.00/lb U-Pick and $3.00-3.25/lb pre-pick.

TABLE35: Area, Marketings and Value of Fruit, 2003

	No. of Census Farms 2001	Area Planted (acres)		Area Harvested (acres)	Marketings (000 lbs)	Average Price ($/lb.)	Total Value ($000)
		Census 2001	Comm. 2003				
Apples	26	56	55	20	226	0.30	67
Raspberries	96	127	190	143	160	1.70	272
Saskatoon berries	131	342	475	260	364	2.25	819
Strawberries	109	563	680	326	1,085	1.70	1,845
Other fruit	40	180	185	65	30	2.00	60
TOTAL	**295**	**1,268**	**1,585**	**814**	**1,865**	**1.59**	**3,063**

SOURCE: Statistics Canada, Census of Agriculture 2001, Manitoba Agriculture, Food and Rural Initiatives.

Greenhouse Production

The 2003 greenhouse season got off to a slow start with a relatively cold wet spring, which hindered bedding plant sales in most sectors. The weather effects sales dramatically and with the late start to the season, many operations saw a decline in beginning sales, but hoped to take advantage of the warmer weather to make up for the slow spring sales. No snow load damage was reported, however growers who experience damage usually reconstruct in early spring to maintain production capacity. Generally, greenhouse operations opened for business on time with a few operations opening a week or two earlier to capture the early market. The bedding plant market has experienced a significant shift in the last few years for the independent operator, but changes in their marketing strategy focusing on service, custom arrangements and specialty items has maintained sales close to previous levels. Specialty product sales have increased with increased competition pressure from the big "Box Stores" (Mass retailers such as Walmart, Costco, Roma, Home Depot, who are continuing to compete on a price basis with filler plants selling them as "Loss leaders". However the Big Box Stores are at a considerable disadvantage with the Independent greenhouse/nursery operations due to a lack of qualified personnel capable of assisting customers with complicated growing problems and design. The Independent growers have the competitive edge with highly experienced plant growing professionals and high quality products along with a wide selection of specialty plants and accessories not sold in the Big Box Stores. Trained knowledgeable staff are the independent grower's greatest asset because they cannot compete on price with the Big Box Stores and must rely on quality and expertise to help the consumer make the right plant variety and care decisions for a successful garden or landscape.

The positive effect of the relatively mild winter season was offset by another increase in operating expenses, particularly for heating fuels, which are a major component, approximately 30-40 percent of the greenhouse operating expenses. The extraordinary increase in natural gas prices in 2001, which in some cases was three times the previous rate, caused many greenhouses to delay start-up by purchasing plugs enabling the greenhouse to be opened later to reduce fuel costs or to lay-off staff and cut other expenses. Although most operations increased their prices to compensate for higher operational costs, not all cost increases could realistically be passed on to the consumer. The majority of greenhouse operators will be required to offset operating costs with an increase in prices, but most increases will be hidden in specialty and custom arrangements and other services offered by the independent greenhouse operator instead of increasing the unit price of the regular bedding plant flat (Filler Plants). This strategy was required to compete with the Big Box stores who tend to sell bedding plant annuals at a "loss leader" price to lure the customer into their stores where it is hoped they will also purchase other items such as lawn equipment and other dry goods with a higher margin.

Over the last few years there has been a decline in the number of greenhouses operating in Manitoba. This is mainly due to the shifting of consumer trends toward discount superstores that provide the consumer with a "one-stop" shop for their home & garden needs. The traditional greenhouse has had to change its marketing strategy to compensate for the increased competition from these large box stores and many are specializing in different areas of the industry offering items and services not available at these large superstores. There has been a definite trend towards the independent grower becoming a specialty operation providing high quality products and services at a premium price while reducing or limiting their selection of "filler" plants, the "loss leaders" used by the superstores. This change in the industry has resulted in a number of greenhouse operations reducing their production of traditional bedding plant species and capitalizing on the areas of the market the superstores are not able to supply. This adjustment has been difficult for some operators and the rising costs has had a detrimental effect on the greenhouse industry in Manitoba, however the industry remains strong in Manitoba and most growers have adapted to the changes successfully.

Wages and heating fuel prices continue to dominate the operating expenses for greenhouse operations compounded with increases in delivery costs, maintenance and machinery have continued to erode the independent's profit margin. With the advent of the stricter border controls and bioterrorism threats, imports and exports of plant material are causing delays at the border putting increased pressure on the grower's bottom line. Grower's are continuing to adapt to changing market conditions competing well with the "Big Box" stores. Increased selection and a more varied range of specialty products is beneficial to the consumer further supporting industry development in Manitoba. The independent greenhouse grower in Manitoba has become more specialized in order to survive the recent industry changes, improving efficiency, quality and providing expert advice and customer support to compete with lower prices from Big Box stores in order to remain competitive.

Mushrooms

In 2002, a major mushroom producer went out of production, leaving one large producer and six small producers. The estimated mushroom production in 2002 was about 2.5 million kg (5.5 million lb) valued at an estimated $8.5 million. No data available for 2003.

Nursery Sod

The sod area under cultivation for sale by 10 growers in 2001 was 946 hectares (2,338 acres). The value of sales of sod from 220 hectares (545 acres) in 2001 was revised to over $1.8 million. In 2002, only 5 growers reported sod under cultivation for sale. The total area of sod was 730 hectares (1,800 acres), of which over one-third was sold during the year. The value of sales of these growers in 2002 was estimated at close to $1.8 million. No data available for 2003.

Nursery Products

According to the 2001 Census of Agriculture the total area of outdoor plantings for 165 nurseries was 1,014 hectares (2,505 acres) in 2001. The area was estimated by Statistics Canada at 970 hectares (2,400 acres) in 2002. Direct sales to the public were valued at $3.1 million in 2002, sales to landscape contractors increased to $1.7 million, sales to garden centres and other growers rose to $2.8 million and $1.1 million respectively in 2002, while sales to public agencies, other channels and for export remained fairly steady at $0.5 million, $0.6 million and $0.6 million respectively. The gross value of 2002 sales increased to almost $10.5 million from $10.2 million in 2001, while the net value (less resales) rose to $7.7 million from $7.2 million a year earlier. No data available for 2003.

TABLE 36: Value of Production of Vegetables, Ornamental Crops & Fruit, 2002, 2003

	2002^r	2003
	($000)	
Potatoes	143,560	180,311
Commercial Vegetables	22,120	15,504
Commercial Fruits	3,550	3,063
Environmentally Controlled Production (Greenhouse and Mushrooms)	36,200	36,200*
Nursery Products and Sod	9,500	9,500*
TOTAL	**214,930**	**244,578**

* Assume no change from previous year's value for 2003

SOURCE: Manitoba Agriculture, Food and Rural Initiatives, Statistics Canada

FOREST PRODUCTS

The 2001 Census of Agriculture reported that 309 farms sold forest products valued at $2.0 million in 2000. This was based on total commercial sales and included plywood and fence posts. In 2003, farm cash receipts from forest products were estimated at $1.7 million, similar to the 2002 revised estimate of $1.8 million.

Christmas Trees

The 2001 Census of Agriculture reported 112 farms with a total 512 hectares (1,266 acres) of Christmas trees. This was a decrease of 28 farms and 358 hectares (884 acres) from 1996. The value of Christmas tree sales in 2003 was estimated at $102,000, up slightly from the $100,000 in 2002.

SEED PRODUCTION

Forage Seeds

Marketings of all forage seed crops, including foreign and private varieties, decreased to 13.5 million kilograms (29.8 million pounds) in 2002 from sales of 13.6 million kilograms (30 million pounds) in 2001. The total farm gate value increased by 48 percent to $19.9 million from $13.5 million in 2001.

The following table shows planted area, marketings and average farm gate price for a combination of certified and common seed. Incomplete data for 2003.

TABLE 37: **Area, Sales and Value of Forage Seeds, 2002^R and 2003^P**

	Total Area		Sales		Average Price		Farm Value ($000)
2002	**Hectares**	**Acres**	**kg (000)**	**lb (000)**	**/kg ($)**	**/lb ($)**	
Alfalfa	17,200	42,500	4,180	9,215	2.10	0.95	8,773
Total Rye Grass	7,900	19,500	3,361	7,410	0.77	0.35	2,604
Birdsfoot Trefoil	3,200	8,000	415	915	2.14	0.97	886
Bromegrass	800	2,000	167	368	2.52	1.14	421
Total Wheatgrass	1,500	3,800	324	714	1.76	0.80	571
Meadow and Other Fescue	6,900	17,000	1,564	3,449	0.94	0.43	1,471
Total Clover	2,800	7,000	493	1,087	1.19	0.54	587
Timothy	11,700	29,000	2,857	6,299	1.30	0.59	3,714
Other Grasses	5,700	14,000	133	293	6.81	3.09	905
TOTAL	**57,800**	**142,800**	**13,495**	**29,750**	**1.48**	**0.67**	**19,933**

	Total Area		Sales		Average Price		Farm Value ($000)
2003	**Hectares**	**Acres**	**kg (000)**	**lb (000)**	**/kg ($)**	**/lb ($)**	
Alfalfa					1.74	0.79	
Total Rye Grass					0.45	0.21	
Birdsfoot Trefoil					2.48	1.13	
Bromegrass					1.38	0.63	
Total Wheatgrass					-	-	
Meadow and Other Fescue					0.93	0.42	
Total Clover					1.31	0.60	
Timothy					-	-	
Other Grasses					2.20	1.00	
TOTAL	**NA**	**NA**	**NA**	**NA**			**19,933***

* Assumes no change from previous year's value for 2003

SOURCE: Manitoba Forage Seed Association Check-off Sales Reports, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 38: Area of Foundation, Registered and Certified Seed Production, 1999-2003

Kind of Crop		1999	2000	2001	2002	2003
		Hectares				
Wheat	- Spring*	39,715	43,028	42,638	46,566	34,648
	- Durum	824	2,266	176	291	210
	- Winter	2,637	3,125	4,687	2,974	3,368
Oats		4,630	4,100	5,697	9,570	7,467
Barley		14,640	23,869	15,852	13,282	15,774
Rye	- Fall	1,062	506	165	350	152
	- Spring	24	0	0	0	1
Triticale		69	28	17	86	18
Flaxseed		13,658	11,617	9,240	8,354	8,283
Peas	- Dry	5,379	4,539	4,994	7,623	4,740
	- Chickpeas	-	-	-	4	0
Beans	- Faba	345	582	225	165	333
	- Soy	131	666	2,234	3,327	4,305
	- Dry	2,502	0	2,410	4,258	3,446
Corn		-	-	-	184	81
Buckwheat		438	666	540	362	237
Canola		10,373	7,570	5,107	4,173	5,049
Alfalfa		6,971	7,528	8,565	8,452	7,298
Bromegrass		118	243	333	409	370
Kentucky Bluegrass		40	32	0	0	0
Meadow Fescue		261	241	191	251	191
Sweet Clover	- Yellow Blossom	204	79	14	171	148
Timothy		7,506	9,253	11,446	9,534	8,159
Red Clover	- Single- and Double-cut	926	1,741	1,471	613	220
Birdsfoot Trefoil		2,599	2,394	2,819	2,188	1,152
Mustard (Yellow and Brown)		99	30	0	2	26
Radish		173	108	0	0	0
Lentils		247	839	119	57	59
Canary Grass		265	663	824	593	569
Hemp		-	-	-	400	622
Miscellaneous Grass Crops		2,360	4,551	5,154	4,840	5,998
TOTAL		**118,197**	**130,264**	**124,918**	**129,078**	**112,923**
		Acres				
Wheat	- Spring*	98,138	106,325	105,361	115,067	85,616
	- Durum	2,037	5,600	435	719	519
	- Winter	6,517	7,723	11,582	7,348	8,324
Oats		11,441	10,131	14,077	23,648	18,451
Barley		36,175	58,981	39,172	32,820	38,977
Rye	- Fall	2,624	1,250	409	864	376
	- Spring	60	0	0	0	0
Triticale		170	70	43	212	43
Flaxseed		33,749	28,706	22,833	20,644	20,468
Peas	- Dry	13,293	11,217	12,340	18,836	11,712
	- Chickpeas	-	-	-	9	0
Beans	- Faba	852	1,439	556	408	824
	- Soy	323	1,645	5,520	8,222	10,638
	- Dry	6,183	0	5,955	10,523	8,516
Corn		-	-	-	454	200
Buckwheat		1,083	1,645	1,333	894	586
Canola		25,632	18,706	12,619	10,311	12,477
Alfalfa		17,225	18,601	21,165	20,887	18,035
Bromegrass		292	600	822	1,010	915
Kentucky Bluegrass		100	80	0	0	0
Meadow Fescue		645	595	472	621	471
Sweet Clover	- Yellow Blossom	505	195	35	423	365
Timothy		18,547	22,865	28,284	23,559	20,162
Red Clover	- Single- and Double-cut	2,288	4,301	3,635	1,515	544
Birdsfoot Trefoil		6,423	5,916	6,965	5,406	2,846
Mustard (Yellow and Brown)		245	75	0	4	65
Radish		427	267	0	0	0
Lentils		611	2,073	294	141	145
Canary Grass		654	1,639	2,035	1,465	1,407
Hemp		-	-	-	989	1,536
Miscellaneous Grass Crops		5,831	11,245	12,735	11,960	14,822
TOTAL		**292,070**	**321,890**	**308,678**	**318,959**	**279,039**

* Includes Hard Red, Prairie and Soft White Spring Wheat and Utility Wheat.

SOURCE: Canadian Seed Growers' Association.

TABLE 39: Certified Potato Production, 2003

	2003			2002
	Number Of Fields	Inspected	Production Graded Stock*	
		hectares	tonnes	
Adora	4	28.200	695.6	550.0
Atlantic	2	9.710	239.5	-
Chieftan	2	0.500	12.3	120.9
Ciklamen	2	14.500	357.6	229.4
Conestoga	2	4.110	101.4	121.1
Dakota Pearl	8	82.010	2,022.8	2,994.4
Dakota Rose	1	7.900	194.9	411.9
Divina	4	55.750	1,375.1	355.2
Gold Rush	5	44.935	1,108.3	510.7
Ivory Crisp	1	3.645	89.9	1,502.1
Mondial	24	173.015	4,267.5	552.5
Morning Gold	2	18.700	461.2	439.0
Norland	3	8.900	219.5	5,257.4
Norvalley	5	34.333	846.8	1,798.1
Penta	10	54.370	1,341.1	199.8
Ranger Russet	93	2,145.640	52,923.1	618.1
Red Pontiac	3	24.980	616.1	2,855.4
Russet Burbank	12	140.320	3,461.1	45,952.4
Russet Norkotah	35	559.600	13,802.8	922.5
Sangre	9	54.710	1,349.4	3,363.6
Shepody	8	131.945	3,254.5	17,500.3
Snowden	14	126.670	3,124.4	1,936.5
Umatilla Russet	16	136.135	3,357.8	629.4
Viking	4	28.200	695.6	2,380.5
Yukon Gold	2	9.710	239.5	2,351.6
Other Varieties	14	64.078	1,580.5	337.9
All Varieties	**279**	**3,924.656**	**96,803.3**	**93,890.7**
Rejected	9	74.000	1,825.2	
Passed Inspection – Certified	**270**	**3,851.000**	**94,986.6**	
		acres	Tons	
Adora	4	69.683	766.5	606.1
Atlantic	2	23.994	263.9	-
Chieftan	2	1.236	13.6	133.2
Ciklamen	2	35.830	394.1	252.8
Conestoga	2	10.156	111.7	133.5
Dakota Pearl	8	202.649	2,229.1	3,299.8
Dakota Rose	1	19.521	214.7	453.9
Divina	4	137.760	1,515.4	391.4
Gold Rush	5	111.036	1,221.4	562.8
Ivory Crisp	1	9.007	99.1	1,655.3
Mondial	24	427.525	4,702.8	608.9
Morning Gold	2	46.208	508.3	483.8
Norland	3	21.992	241.9	5,793.6
Norvalley	5	84.838	933.2	1,981.5
Penta	10	134.350	1,477.8	220.2
Ranger Russet	93	5,301.935	58,321.3	681.2
Red Pontiac	3	61.726	679.0	3,146.7
Russet Burbank	12	346.735	3,814.1	50,639.5
Russet Norkotah	35	1,382.787	15,210.7	1,016.6
Sangre	9	135.190	1,487.1	3,706.7
Shepody	8	326.040	3,586.4	19,285.3
Snowden	14	313.005	3,443.1	2,134.0
Umatilla Russet	16	336.393	3,700.3	693.6
Viking	4	69.683	766.5	2,623.3
Yukon Gold	2	23.994	263.9	2,591.5
Other Varieties	14	158.338	1,741.7	372.4
All Varieties	**279**	**9,697.932**	**106,677.2**	**103,467.5**
Rejected	9	182.856	2,011.4	
Passed Inspection – Certified	**270**	**9,515.926**	**104,675.2**	

* In 2002 and 2003, production was estimated based on average yields of 220 cwt/acre.

SOURCE: Canadian Food Inspection Agency.

MARKETING OF MAJOR CROPS

TABLE 40: Farm Supply and Disposition of Major Crops, 2003/2004

2003/2004	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseec	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1	5.0	55.0	70.0	150.0	5.0	15.0	50.0	345.0
Production	34.0	4,162.5	1,095.0	1,371.7	50.8	195.6	1,769.0	8,644.6
TOTAL SUPPLY	39.0	4,217.5	1,165.0	1,521.7	55.8	210.6	1,819.0	8,989.6
DISPOSITION								
Marketings	20.8	3,597.6	830.8	399.5	40.0	171.6	1,853.8	6,893.4
Seed Requirements	1.1	137.8	32.9	41.5	1.5	6.6	8.0	242.3
Feed, Waste & Dockage	12.1	397.1	201.3	880.7	11.3	27.4	-87.8	1,415.9
Carryover, July 31	5.0	85.0	100.0	200.0	3.0	5.0	45.0	438.0
TOTAL DISPOSITION	**39.0**	**3,680.6**	**868.0**	**1,484.5**	**47.7**	**234.4**	**1,232.6**	**7,547.8**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1	184	2,021	4,539	6,889	197	591	2,205	16,441
Production	1,250	152,950	71,000	63,000	2,000	7,700	77,999	374,649
TOTAL SUPPLY	**1,434**	**154,971**	**75,539**	**69,889**	**2,197**	**8,291**	**80,203**	**391,090**
DISPOSITION								
Marketings	760	132,190	53,870	18,350	1,570	1,570	81,740	292,910
Seed Requirements	40	5,063	2,133	1,906	59	260	353	9,774
Feed, Waste & Dockage	450	14,594	13,051	40,447	450	6,264	-3,874	67,313
Carryover, July 31	184	3,123	6,484	9,186	118	197	1,984	21,092
TOTAL DISPOSITION	**1,434**	**154,971**	**75,539**	**69,889**	**2,197**	**8,291**	**80,203**	**391,090**

Note: May not add due to rounding.
SOURCE: Statistics Canada.

TABLE 41: Producer Marketings, Crop Year 2003/2004

	Bread Wheat	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes								
2003									
August	360.0	1.0	360.9	213.9	20.3	NA	9.5	156.0	760.6
September	286.9	0.2	287.1	150.9	25.1		29.2	250.9	743.2
October	318.6	4.7	323.3	82.1	35.0		35.6	219.9	695.9
November	309.9	1.0	310.9	56.3	26.5		28.8	137.8	560.3
December	388.3	2.2	390.5	6.3	23.9		7.1	127.0	594.8
2004									
January	160.5	0.7	161.2	52.7	21.2		3.7	98.5	337.3
February	120.0	0.6	120.6	65.4	44.3		7.4	165.3	403.0
March	331.7	0.6	332.3	63.3	32.7		16.3	234.0	678.6
April	249.0	2.2	251.2	32.7	51.3		14.4	157.7	507.2
May	161.2	0.4	161.6	9.4	33.8		5.0	59.6	269.4
June	448.6	3.2	451.9	25.6	49.7		8.4	155.9	691.6
July	442.2	3.9	446.1	32.2	35.8		6.3	91.1	611.5
TOTAL	**3,576.8**	**20.8**	**3,597.6**	**830.8**	**399.5**	**40.0**	**171.6**	**1,853.8**	**6,893.4**
	thousand bushels								
2003									
August	13,230	30	13,260	13,870	930	NA	380	6,880	35,320
September	10,540	10	10,550	9,790	1,150		1,150	11,060	33,700
October	11,710	170	11,880	5,320	1,610		1,400	9,700	29,910
November	11,390	40	11,430	3,650	1,220		1,130	6,070	23,500
December	14,270	80	14,350	3,000	1,100		280	5,600	24,330
2004									
January	5,900	30	5,930	3,420	970		140	4,340	14,800
February	4,410	20	4,430	4,240	2,030		290	7,290	18,280
March	12,190	20	12,210	4,100	1,500		640	10,320	28,770
April	9,150	80	9,230	2,120	2,350		570	6,950	21,220
May	5,920	20	5,940	610	1,550		200	2,630	10,930
June	16,480	120	16,600	1,660	2,280		330	6,870	27,740
July	16,240	140	16,380	2,090	1,660		250	4,030	24,410
TOTAL	**131,430**	**760**	**132,190**	**53,870**	**18,350**	**1,570**	**6,760**	**81,740**	**294,480**

TABLE 42: Grain Storage Capacity, August 1, 2002 – 2003

Kind of Elevator	All Licensed Elevators			
	2002		2003	
	Number	Capacity (000 tonnes)	Number	Capacity (000 tonnes)
Terminal	1	140.0	1	140.0
Process Elevators	8	96.9	7	86.1
Primary	100	992.2	90	963.1
TOTAL – Licensed	**109**	**1,229.1**	**98**	**1,189.2**
		(000 bushels*)		(000 bushels*)
Terminal	1	4,915	1	4,915
Process Elevators	8	3,560	7	3,160
Primary	100	36,455	90	35,390
TOTAL – Licensed	**109**	**44,930**	**98**	**43,465**

* Wheat equivalent.

SOURCE: Canadian Grain Commission.

TABLE 43: Grain Stored in Country Elevators at July 31

Year	Durum Wheat	All Wheat	Oats	Barley	Rye	Flax	Canola	TOTAL
	thousand tonnes							
1986	20.8	396.1	26.7	130.0	21.5	34.9	44.7	653.9
1987	73.7	701.3	14.9	64.6	17.6	60.4	16.0	874.8
1988	25.5	290.9	13.5	118.4	25.9	40.6	19.1	508.4
1989	16.1	154.8	10.9	182.4	20.0	23.5	43.6	435.2
1990	13.7	264.9	16.7	151.2	20.9	3.9	27.4	485.0
1991	34.0	778.0	20.5	102.9	8.6	22.6	17.4	950.0
1992	17.2	416.7	14.3	102.2	7.5	34.8	44.5	620.0
1993	24.9	679.6	15.1	146.4	6.0	18.7	65.5	931.3
1994	22.4	595.6	12.2	79.7	4.0	11.4	2.7	705.6
1995	17.9	303.2	19.2	54.2	5.0	10.4	12.6	404.6
1996	20.0	330.3	14.7	40.1	2.9	13.0	41.4	442.4
1997	24.7	399.4	33.5	95.4	3.7	4.8	28.4	565.2
1998	15.9	316.0	25.0	56.5	7.9	3.0	13.3	421.7
1999	38.3	403.7	35.5	25.3	15.9	6.4	27.2	514.0
2000	23.8	414.8	32.4	49.4	13.2	13.7	60.3	583.8
2001	17.3	529.9	23.1	21.3	2.6	17.5	50.5	644.9
2002	14.7	308.1	8.7	28.8	1.2	12.6	120.9	480.3
2003	18.4	347.4	23.0	20.5	N.A.	5.5	75.0	471.4
	thousand bushels							
1986	764	14,554	1,731	5,971	846	1,374	1,971	26,448
1987	2,708	25,769	966	2,967	693	2,378	705	33,478
1988	937	10,689	875	5,438	1,020	1,598	842	20,462
1989	592	5,688	707	8,377	787	925	1,922	18,407
1990	503	9,733	1,083	6,944	823	154	1,208	19,945
1991	1,249	28,587	1,329	4,726	339	890	767	36,638
1992	632	15,311	927	4,694	295	1,370	1,962	24,560
1993	915	24,971	979	6,724	236	736	2,888	36,535
1994	823	21,885	791	3,661	157	449	119	27,062
1995	658	11,141	1,245	2,489	197	409	556	16,037
1996	735	12,137	953	1,842	114	512	1,825	17,383
1997	908	14,676	2,172	4,382	146	189	1,252	22,816
1998	584	11,611	1,621	2,595	311	118	586	16,843
1999	1,407	14,834	2,302	1,162	626	252	1,199	20,375
2000	875	15,241	2,101	2,269	520	539	2,659	23,329
2001	636	19,471	1,498	978	102	689	2,227	24,965
2002	540	11,321	564	1,323	47	496	5,331	19,082
2003	676	12,765	1,491	942	N.A.	217	3,307	18,721

SOURCE: Statistics Canada, Canadian Grain Commission.

LIVESTOCK PRODUCTION

CATTLE

Production

In Manitoba, production increased from 535,000 head in 2002 to 618,000 head in 2003. Cattle inventories grew by 200,000 head from January 1, 2002 to January 1, 2003 because of poor prices, lack of slaughter capacity and the closure of the US border to live cattle on May 20th due to BSE. This record large inventory change raised the estimated value of production to within $3 million of the 2002 value, $507 million in 2003 verses $510 million dollars in 2002. Cattle prices were lower in 2003 with slaughter steers, feeders and calves down approximately 6-7 percent and cow prices down 33 percent. Lower prices for calves in 2003 led to more animals being kept in the province for backgrounding and sale the following year. The estimated average value per animal declined to $820 from $950 the year before.

Total Marketings

Commercial marketings of Manitoba-origin cattle and calves declined by 112,000 head from 530,000 head in 2002 to 418,000 head in 2003, of which 88,000 were under one year of age and 330 were over one year of age. Closure of the border on May 20th due to BSE, was the reason exports of live cattle fell from 262,829 head in 2002 to 96,926 head in 2003. The value of marketings in 2003 was estimated to be $340,000,000 compared to $500,000,000 in 2002.

TABLE 44: Cattle Slaughtered in Manitoba by Month, 2003

Month	Cattle	Calves	TOTAL
January	1,081	2	**1,083**
February	1,253	54	**1,307**
March	1,461	44	**1,505**
April	1,306	12	**1,318**
May	1,657	3	**1,660**
June	1,427	-	**1,427**
July	1,780	1	**1,781**
August	2,524	2	**2,526**
September	1,441	4	**1,445**
October	1,524	2	**1,526**
November	2,020	3	**2,023**
December	1,226	4	**1,230**
YEAR	**18,700**	**131**	**18,831**

SOURCE: Manitoba Health; Canadian Food Inspection Agency.

Slaughter Cattle

There were 30,000 Manitoba-produced cattle and calves slaughtered in Canada in 2003 compared to 44,000 in 2002. In Manitoba 18,700 cattle and 131 calves were slaughtered in 2003 compared to 16,370 in 2002.

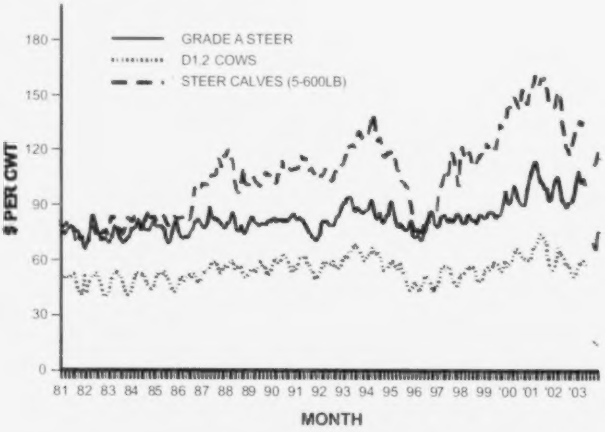
TABLE 45: Manitoba Cattle Prices by Weight Class, 2002-2003

	Cents per Kilogram Live*		Dollars per 100 Pounds Live*	
	2002	2003	2002	2003
SLAUGHTER CATTLE				
STEERS				
A Grade	213.65	198.90	96.91	90.22
HEIFERS				
A Grade	213.63	197.89	96.90	89.76
COWS				
D1.2	129.30	86.55	58.65	39.26
D3	116.93	71.58	53.04	32.47
BULLS	164.99	97.18	74.84	44.08
FEEDER CATTLE				
STEERS				
+400 kg (+900 lb)	235.01	224.21	106.60	101.70
350-400 kg (801-900 lb)	249.28	234.02	113.07	106.15
300-350 kg (701-800 lb)	261.34	245.51	118.54	111.36
250-300 kg (601-700 lb)	275.89	263.50	125.14	119.52
STEER CALVES				
200-250 kg (501-600 lb)	294.80	279.79	133.72	126.91
150-200 kg (401-500 lb)	311.58	294.98	141.33	133.80
Under 150 kg (under 400 lb)	336.38	306.36	152.58	138.96
HEIFERS				
+350 kg (+800 lb)	236.65	221.15	107.34	100.31
300-350 kg (701-800 lb)	248.57	230.38	112.75	104.50
250-300 kg (601-700 lb)	261.25	241.74	118.50	109.65
200-250 kg (501-600 lb)	278.11	254.99	126.15	115.66
HEIFER CALVES				
150-200 kg (401-500 lb)	295.07	271.02	133.84	122.93
100-150 kg (301-400 lb)	321.68	285.41	145.91	129.46
Under 100 kg (under 300 lb)	-	-	-	-
FEEDER COWS	-	-	-	-

* Simple averages.

SOURCE: Canfax.

CHART 9: Cattle Prices by Month, 1981 – 2003



SOURCE: Agriculture and Agri-Food Canada, Canfax.

PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives.

Prices

The average price for grade A steers in 2003, at $90.22 decreased by 7 percent from $96.91/cwt in 2002, while that of D1,2 cows was down by 33 percent to $39.26/cwt. The average price for feeder calves, 200-250 kilograms (501-600 pounds) was $126.91/cwt. This compares with the average price in 2002 of $133.72/cwt. The average price for feeder steers 350-400 kilograms (801-900 pounds) in 2003 was $106.15/cwt, a drop of 6 percent from 2002. Prices did not establish in June, July and August due to lack of sales volumes and auction market closures.

TABLE 46: Manitoba Cattle Prices by Month - Selected Grades

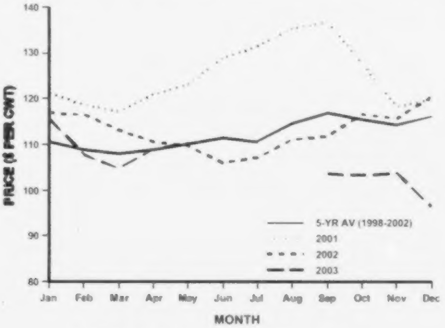
Month	Grade A Steers			D1,2 Cows		
	5 Yr.	2002	2003	5 Yr.	2002	2003
	cents per kilogram					
January	207.02	227.80	240.37	123.76	125.62	125.60
February	207.90	232.04	237.13	129.43	134.90	130.45
March	213.00	234.24	224.87	134.41	148.57	128.97
April	211.82	217.77	231.60	135.47	140.63	132.28
May	207.92	206.42	223.09	138.09	138.89	127.58
June	203.50	201.11	N.A.**	139.60	134.53	N.A.**
July	198.36	196.28	N.A.**	136.97	126.15	N.A.**
August	197.89	202.56	N.A.**	135.03	127.74	N.A.**
September	196.23	202.47	154.61	130.37	126.02	33.91
October	195.89	202.39	144.87	121.52	117.64	35.43
November	205.77	214.20	165.96	120.51	112.52	32.08
December	215.31	226.39	167.64	122.79	118.52	32.78
YEAR*	**162.32**	**213.65**	**198.90**	**130.66**	**129.30**	**86.55**
Month	dollars per 100 pounds					
January	93.90	103.33	109.03	56.14	56.98	56.97
February	94.30	105.25	107.56	58.71	61.19	59.17
March	96.62	106.25	102.00	60.97	67.39	58.50
April	96.08	98.78	105.05	61.45	63.79	60.00
May	94.31	93.63	101.19	62.63	63.00	57.87
June	92.31	91.22	N.A.**	63.32	61.02	N.A.**
July	89.98	89.03	N.A.**	62.13	57.22	N.A.**
August	89.76	91.88	N.A.**	61.25	57.94	N.A.**
September	89.01	91.84	70.13	59.13	57.16	15.38
October	88.86	91.80	65.71	55.12	53.36	16.07
November	93.33	97.16	75.28	54.66	51.04	14.55
December	97.66	102.69	76.04	55.70	53.76	14.87
YEAR*	**73.63**	**96.91**	**90.22**	**59.27**	**58.65**	**39.26**

NOTE: 5 Yr. = 1998 – 2002

* Simple averages. ** No sales through auction markets (BSE).

SOURCE: Canfax.

CHART 10: Seasonal Feeder Steer (800-900 lb) Prices, Manitoba, 2001-2003 vs 5-Year Average



SOURCE: Canfax, Agriculture and Agri-Food Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

TABLE46: Cattle Prices Continued

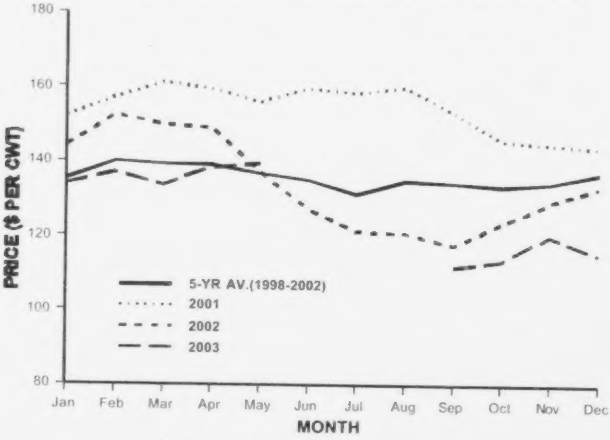
Month	Feeder Steers 350-400 kg (801-900 lb)			Steer Calves 200-250 kg (501-600 lb)		
	5 Yr.	2002	2003	5 Yr.	2002	2003
	cents per kilogram					
January	243.89	257.81	255.25	298.27	317.14	295.27
February	240.34	257.06	237.79	308.34	335.59	301.59
March	238.17	249.67	231.07	306.84	330.08	294.41
April	240.18	243.85	240.37	306.34	328.71	305.08
May	242.95	242.20	243.24	301.11	302.56	307.13
June	245.70	234.00	N.A.**	297.68	280.41	N.A.**
July	244.19	236.38	N.A.**	289.11	267.05	N.A.**
August	253.10	245.20	N.A.**	297.09	266.50	N.A.**
September	257.73	246.74	228.82	296.25	259.33	246.41
October	254.86	257.30	227.94	294.21	272.05	250.07
November	252.21	255.30	229.04	295.98	284.55	264.62
December	256.35	265.72	212.75	301.51	293.55	253.55
YEAR*	**247.48**	**249.28**	**234.02**	**299.39**	**294.80**	**279.79**
Month	dollars per 100 pounds					
January	110.62	116.94	115.78	135.29	143.85	133.93
February	109.01	116.60	107.86	139.86	152.22	136.80
March	108.03	113.25	104.81	139.18	149.72	133.54
April	108.94	110.61	109.03	138.95	149.10	138.38
May	110.20	109.86	110.33	136.58	137.24	139.31
June	111.45	106.14	N.A.**	135.02	127.19	N.A.**
July	110.76	107.22	N.A.**	131.14	121.13	N.A.**
August	114.80	111.22	N.A.**	134.76	120.88	N.A.**
September	116.90	111.92	103.79	134.38	117.63	111.77
October	115.60	116.71	103.39	133.45	123.40	113.43
November	114.40	115.80	103.89	134.25	129.07	120.03
December	116.28	120.53	96.50	136.76	133.15	115.01
YEAR*	**98.68**	**113.07**	**106.15**	**135.80**	**133.72**	**126.91**

NOTE: 5 Yr. = 1998 – 2002.

* Simple averages. ** No sales through auction markets (BSE).

SOURCE: Canfax.

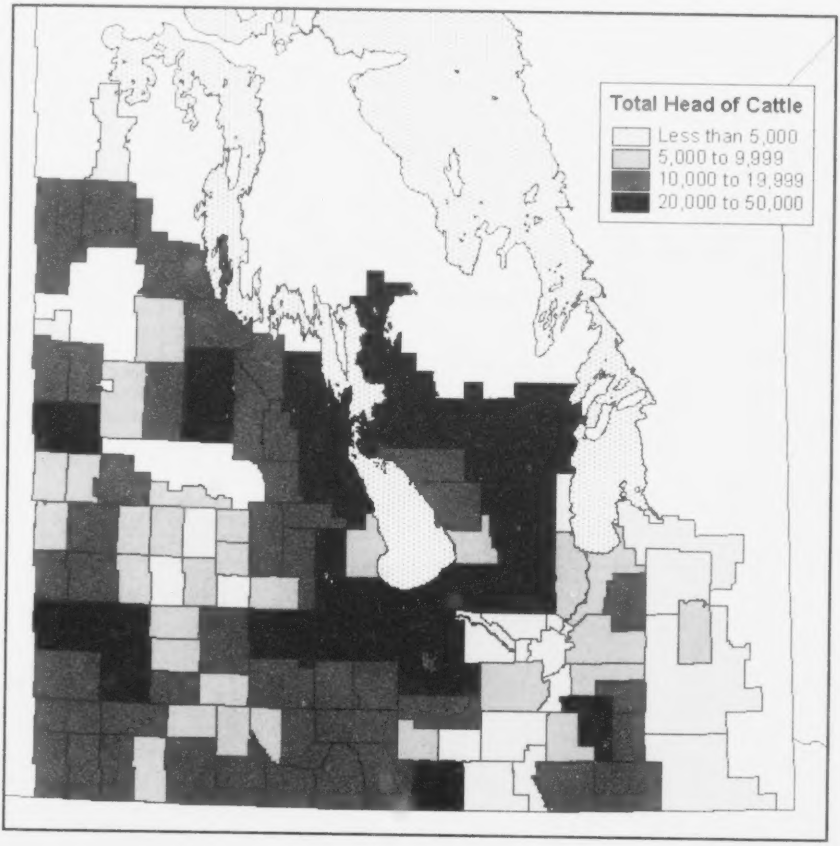
CHART 11: Seasonal Steer Calf (500-600 lb) Prices, Manitoba, 2001-2003 vs 5-Year Average



SOURCE: Canfax, Agriculture and Agri-Food Canada

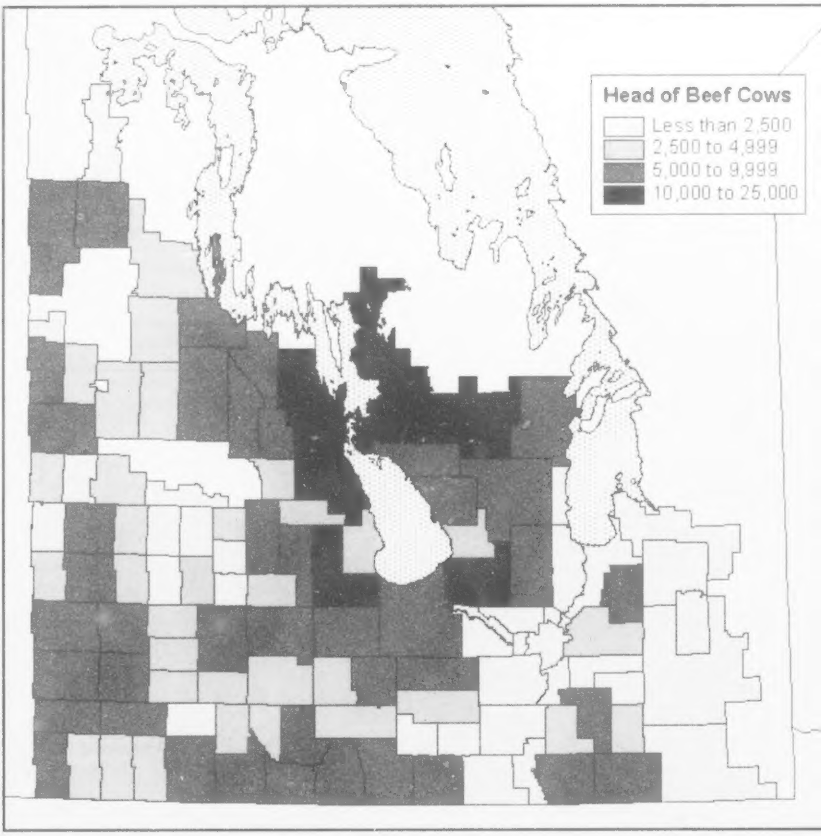
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

MAP 9: Total Cattle by Rural Municipality, 2001 Census


Total Head of Cattle
Less than 5,000
5,000 to 9,999
10,000 to 19,999
20,000 to 50,000

SOURCE: Statistics Canada, Census of Agriculture, 2001.

MAP 10: Total Beef Cows by Rural Municipality, 2001 Census


Head of Beef Cows
Less than 2,500
2,500 to 4,999
5,000 to 9,999
10,000 to 25,000

SOURCE: Statistics Canada, Census of Agriculture, 2001

Inventory

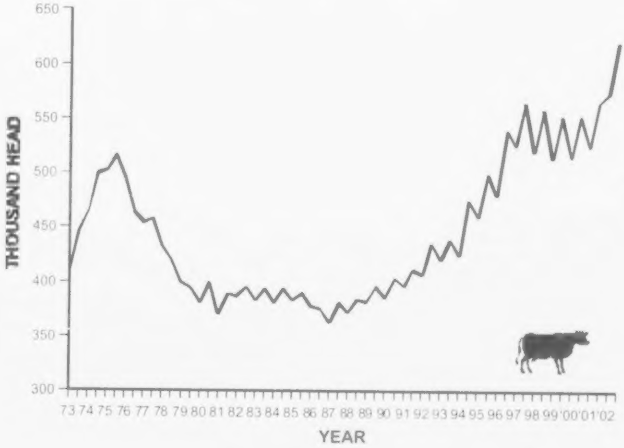
According to Statistics Canada, there were 1,590,000 head of cattle and calves on 11,000 Manitoba farms on July 1, 2003. The number of beef cows was 622,000 head, steers 124,000, calves 558,000, beef heifers for slaughter and replacement were 92,000 and 100,000 head respectively in 2003.

TABLE 47: Cattle Numbers on Farms, July 1, 2003

Agricultural Region	Bulls	Beef Cows	Milk Cows	Heifers for Dairy Herd Replacement	Heifers for Beef Herd Replacement	Beef Heifers for Slaughter or Feeding	Steers One Year & Over	Calves Under One Year	TOTAL CATTLE & CALVES
1	2,920	60,620	1,650	800	8,990	5,870	9,380	54,470	**144,690**
2	3,980	77,690	1,720	930	12,360	11,700	14,430	69,520	**192,320**
3	3,140	61,400	1,000	390	9,960	8,030	16,770	53,760	**154,430**
4	1,380	32,720	10	90	4,160	6,070	5,360	29,010	**78,800**
5	960	19,380	360	160	2,250	3,390	1,720	16,250	**44,470**
6	3,710	76,910	1,310	600	11,380	9,500	8,340	69,770	**181,510**
7	3,510	72,070	8,340	4,310	13,530	17,330	14,000	70,240	**203,320**
8	2,870	57,160	5,020	1,960	9,190	5,460	17,940	51,140	**150,730**
9	2,450	30,200	15,700	7,100	5,700	11,540	13,920	30,780	**117,380**
10	800	16,940	1,370	1,140	3,770	590	710	12,890	**38,210**
11	1,390	29,040	4,440	2,960	3,920	2,500	6,220	25,180	**75,640**
12	3,900	87,900	1,100	570	14,810	10,010	15,200	75,010	**208,500**
PROV ...	**31,000**	**622,000**	**42,000**	**21,000**	**100,000**	**92,000**	**124,000**	**558,000**	**1,590,000**

SOURCE: Statistics Canada

CHART 12: Beef Cows on Farms, 1973 – 2003



SOURCE: Statistics Canada

PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

PIGS

Production

In 2003, Manitoba farmers produced close to 7.33 million pigs, an increase of 10.2 percent from 2002. A 2.1 percent increase in average slaughter hog prices together with a 12 percent increase in export values led to an increase in the value of production of 5 percent to $798 million in 2003. The value per animal was lower, $109 in 2003 compared to $114 in 2002 probably because there are a greater proportion of iso-weanling pigs in the total export number.

Total Marketings

Manitoba producers marketed over 3.5 million hogs for slaughter by Canadian plants in 2003, the same number as in 2002. Almost all of these Manitoba slaughter hogs were killed in the province. According to Statistics Canada, 2.64 million weanlings and 1.14 million slaughter hogs and breeding gilts were exported to the United States and Mexico in 2003, an increase of 32 percent from the total exports in 2002. The large increase in exports was due to favourable exchange rates and contracts as well as finishing cost advantages.

TABLE 48: Hogs Slaughtered in Manitoba by Month, 1997-2003

Month	1997	1998*	1999*	2000*	2001*	2002*	2003
January	140,810	267,761	235,902	285,512	329,290	329,306	362,609
February	128,702	212,324	228,210	294,967	320,467	326,146	378,554
March	181,009	220,286	269,227	397,480	402,422	394,092	464,904
April	152,939	271,580	224,192	288,147	319,672	340,679	361,038
May	146,604	210,526	214,483	287,987	306,383	307,629	352,169
June	201,028	207,858	274,197	362,550	398,096	419,921	412,470
July	145,219	247,406	234,335	308,123	305,305	334,998	285,671
August	157,254	205,644	229,283	270,773	313,702	352,714	289,622
September	219,867	221,948	309,679	370,965	400,700	450,652	372,916
October	169,590	276,476	278,840	328,642	338,423	364,150	247,278
November	180,950	225,570	267,394	343,603	328,525	377,046	343,921
December	252,260	253,461	307,292	385,131	384,563	423,964	391,367
YEAR	**2,076,232**	**2,820,840**	**3,073,034**	**3,923,880**	**4,147,548**	**4,421,297**	**4,262,519**

* Includes 0.88 million hogs from Saskatchewan, Alberta and Ontario in 2002, about 0.87 million hogs in 2001, more than 1 million hogs in 2000 and more than 500,000 hogs in 1998 and 1999.

SOURCE: Agriculture and Agri-Food Canada, Manitoba Health, CFIA.

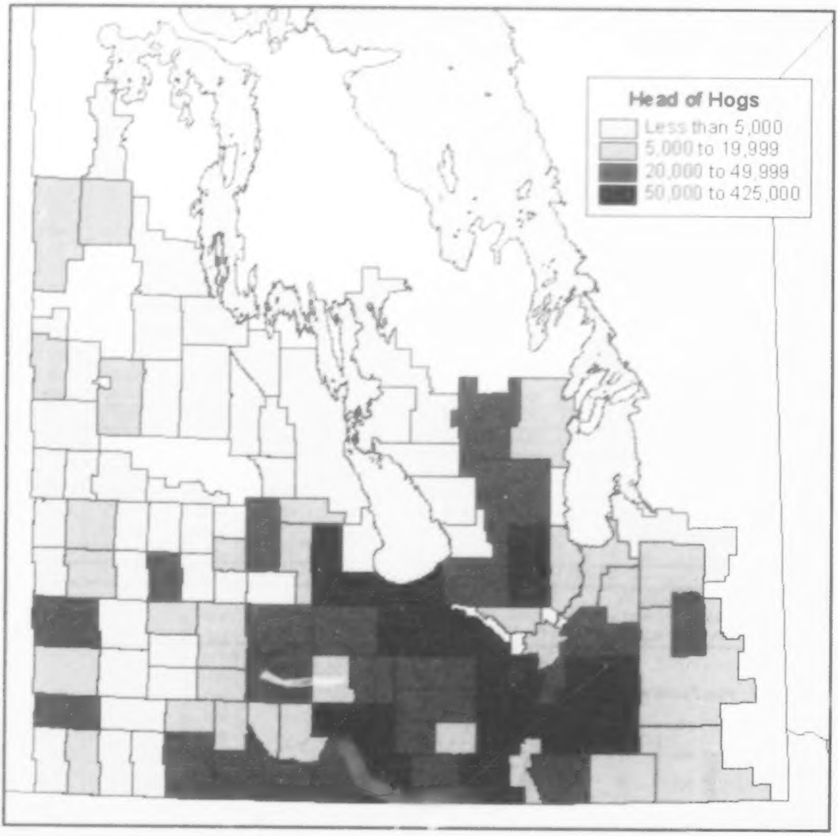
Slaughter

Manitoba packers slaughtered 4.26 million hogs in 2003, decrease of 3.6 percent from 2002. More than 4.12 million hogs were killed in federally-inspected plants, while 141,000 hogs were slaughtered in provincially-inspected establishments. Of the total hogs killed in Manitoba plants, about 600,000 head came from Alberta and Saskatchewan.

Prices

The average annual price of Index 100 hogs (including all premiums and bonuses) in 2003 was $143/100 kg ($64.83 per hundredweight), up by 2 percent from 2002. The highest monthly average price received for Index 100 hogs (including all premiums and bonuses) in Manitoba was $163/100 kg ($73.94 per hundredweight) in June.

MAP 11: Total Pigs by Rural Municipality, 2001 Census


Head of Hogs
Less than 5,000
5,000 to 19,999
20,000 to 49,999
50,000 to 425,000

SOURCE: Statistics Canada, Census of Agriculture, 2001

TABLE 49: Monthly Weighted Average Hog Prices, 2001 – 2003

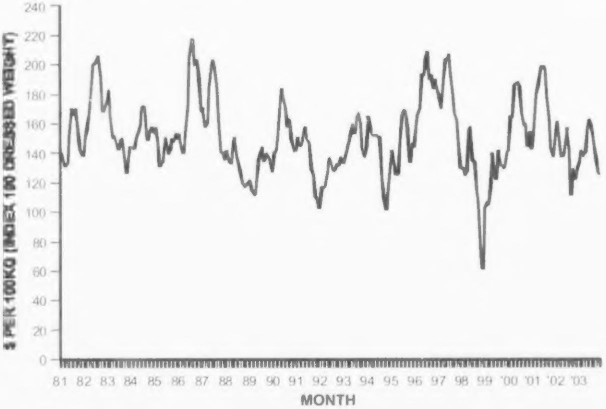
Month	Index 100				No. 1 Sows			
	5 Yr.	2001*	2002*	2003*	5-Yr.	2001	2002	2003
	dollars per 100 kilograms							
January	134.40	142	155	134.10	96.56	121.60	105.07	74.70
February	143.01	152	162	141.90	103.82	125.90	113.60	81.74
March	145.41	180	153	138.33	111.78	146.33	115.95	85.33
April	150.48	185	137	139.57	115.70	162.86	96.01	88.68
May	163.19	194	139	155.56	121.69	152.74	84.89	98.17
June	164.06	199	145	162.82	119.10	164.92	76.76	104.00
July	159.54	199	157	159.14	106.67	158.27	72.68	112.18
August	156.30	196	142	151.90	107.32	158.01	71.45	113.58
September	138.75	179	111	145.29	92.26	140.83	44.72	102.70
October	138.38	163	130	135.86	97.63	134.53	69.94	99.86
November	121.94	143	122	125.55	84.01	104.82	70.06	90.39
December	124.34	137	129	125.08	84.32	91.06	76.49	84.21
YEAR	**144.99**	**172**	**140**	**142.93**	**103.41**	**138.49**	**83.14**	**94.63**
	dollars per 100 pounds							
January	60.96	64.36	70.44	60.83	43.80	55.16	47.66	33.88
February	64.87	68.92	73.36	64.36	47.09	57.11	51.53	37.08
March	65.96	81.59	69.57	62.75	50.70	66.37	52.59	38.70
April	68.26	84.02	62.36	63.31	52.48	73.87	43.55	40.22
May	74.02	87.93	63.11	70.56	55.20	69.28	38.51	44.53
June	74.41	90.41	65.66	73.85	54.02	74.81	34.82	47.17
July	72.37	90.09	71.15	72.18	48.38	71.79	32.97	50.88
August	70.90	88.95	64.54	68.90	48.68	71.67	32.41	51.52
September	62.94	81.29	50.41	65.90	41.85	63.88	20.28	46.58
October	62.77	73.73	58.89	61.62	44.28	61.02	31.72	45.30
November	55.31	64.95	55.12	56.95	38.11	47.55	31.78	41.00
December	56.40	62.16	58.53	56.74	38.25	41.30	34.70	38.20
YEAR	**65.76**	**78.20**	**63.60**	**64.83**	**46.90**	**62.82**	**37.71**	**42.92**

Note: 5 Yr. = 1998 – 2002.

* Price includes all premiums and bonuses.

SOURCE: Manitoba Agriculture, Food and Rural Initiatives.

CHART 13: Hog Prices by Month, 1981 – 2003



SOURCE: Manitoba Pork, est., Manitoba Agriculture, Food and Rural Initiatives.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives.

Inventory

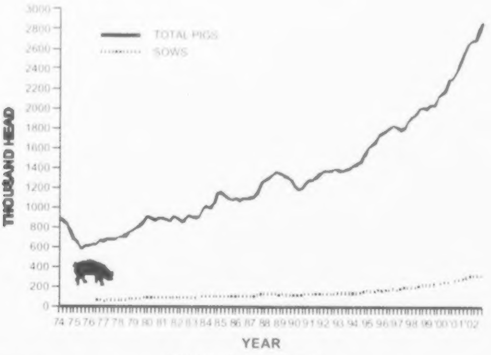
According to Statistics Canada, the total number of pigs on Manitoba farms on July 1, 2003 was 2,850,000 head. Market hogs totalled 2,501,700. There were 341,300 sows and bred gilts and 7,000 boars.

TABLE 50: Estimated Pig Numbers on Farms, July 1, 2003

Agricultural Region	Boars	Sows & Bred Gilts	Market Pigs				TOTAL
			Under 20 kg	20 - 60 kg	Over 60 kg	Total	
1	360	32,160	53,480	74,270	53,770	181,520	214,050
2	910	15,570	47,400	48,130	45,710	141,240	157,720
3	270	17,000	17,090	18,630	20,470	56,190	73,460
4	40	740	1,100	2,520	2,190	5,810	6,580
5	70	1,070	2,860	5,050	4,120	12,030	13,180
6	30	570	4,030	9,170	8,550	21,750	22,350
7	540	49,540	90,150	112,980	99,690	302,810	352,890
8	1,390	61,840	141,670	158,960	149,230	449,850	513,080
9	2,310	124,450	441,260	295,760	263,100	1,000,120	1,126,870
10	180	5,390	32,560	23,630	20,950	77,150	82,720
11	300	15,560	33,910	62,440	31,770	128,110	143,960
12	590	17,420	47,800	44,380	32,960	125,140	143,140
Province	**7,000**	**341,300**	**913,300**	**855,900**	**732,500**	**2,501,700**	**2,850,000**

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

CHART 14: Pigs on Farms, 1974 - 2004



SOURCE: Statistics Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

SHEEP AND LAMBS

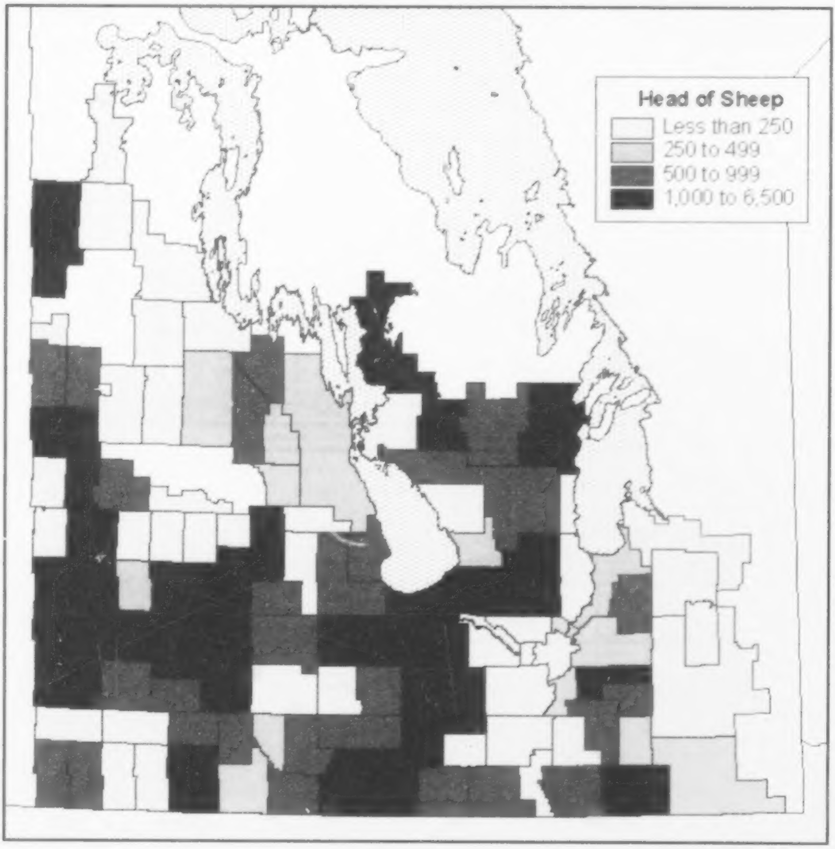
Inventory

According to Statistics Canada, the total number of sheep and lambs on Manitoba farms on July 1, 2003 was 82,000 head, of which 38,300 were ewes, 2,000 were rams and 41,700 were lambs. The sheep and lamb inventory on January 1, 2004 was also estimated at 82,000 head.

Slaughter and Exports

It is estimated that live imports of sheep and lambs into Manitoba were about 40,000 head in 2003, while sales of sheep and lambs (including breeding stock) to other provinces were close to 50,000 head. There were 2,849 sheep and lambs slaughtered in provincially-inspected packing plants in Manitoba in 2003 compared with 2,717 in 2002. Over 14,900 sheep and lambs were exported to the U.S. and Mexico in 2003 compared to over 37,000 in 2002.

MAP 12: Total Sheep by Rural Municipality, 2001 Census


Head of Sheep
Less than 250
250 to 499
500 to 999
1,000 to 6,500

SOURCE: Statistics Canada, Census of Agriculture, 2001

TABLE 51a: Estimated Sheep Numbers on Farms, July 1, 2003

Agricultural Region	Rams	Ewes	Lambs < 1 Year - For Breeding	Lambs < 1 Year - For Market	Total Sheep and Lambs
1	190	4,140	480	2,130	**6,940**
2	650	7,480	1,000	10,440	**19,560**
3	150	5,570	1,530	3,870	**11,120**
4	150	2,770	700	2,160	**5,770**
5	50	620	170	560	**1,410**
6	90	1,850	340	1,770	**4,060**
7	140	4,420	540	3,240	**8,340**
8	180	4,720	1,340	3,830	**10,070**
9	220	2,380	1,090	1,900	**5,580**
10	20	360	10	0	**390**
11	40	710	240	270	**1,260**
12	120	3,290	360	3,740	**7,510**
TOTAL	**2,000**	**38,300**	**7,800**	**33,900**	**82,000**

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 51b: Provincially-Inspected Sheep and Lamb Slaughter, 2000-2003

Month	2000		2001		2002		2003	
	Lambs	Sheep	Lambs	Sheep	Lambs	Sheep	Lambs	Sheep
January	67	41	91	19	137	15	170	5
February	96	12	87	8	160	2	148	42
March	149	2	115	3	150	34	197	13
April	231	4	107	86	129	3	159	27
May	137	25	125	15	135	20	139	9
June	176	3	119	7	206	14	73	27
July	129	16	96	49	134	4	90	17
August	148	37	233	27	289	39	150	12
September	206	15	185	10	115	85	302	19
October	287	9	360	16	254	44	328	53
November	229	2	305	16	403	54	409	115
December	161	5	283	25	261	30	238	107
YEAR	**2,016**	**171**	**2,106**	**281**	**2,373**	**344**	**2,403**	**446**

SOURCE: CFIA, Manitoba Health.

Prices

In 2003, the average price for A and B lambs, 43-49 kilograms (95-109 pounds), was $2.12 per kilogram ($96 per hundredweight), an increase of 2.2 percent from a year earlier. Sheep prices averaged $0.77 per kilogram ($35 per hundredweight) for 2003, down by 10.0 percent from 2002.

Wool Production

The total value of shorn wool sold or used on farms in 2003 was estimated at $ 144,000, 30 percent higher than the 2002 value. The average price received by producers for wool actually sold or used on farms increased from 50 cents per kilogram (23 cents per pound) in 2002 to 109.6 cents per kilogram (50 cents per pound) in 2003. Total production including wool used on farms, but excluding wool destroyed or stored, was estimated at 103,821 kilograms (228,883 pounds) in 2003, up from 55,800 kilograms in 2002.

DAIRY

Milk Cows

According to Statistics Canada there were 42,000 milk cows on Manitoba farms on July 1, 2003. Dairy replacement heifers older than one year on farms were estimated at 21,000 head.

Total Milk Supply

Total milk and cream production in the 2004 dairy year (August 1, 2003 to July 31, 2004) was 299.9 million litres for milk sold within the supply management (quota) system up by 4.5 percent from the 2002-2003 level of 287.0 million litres. The 2003 producer price for class 1 milk was $73.39 per hectolitre, up by $2.21 per hectolitre from the price received in 2002. Farm sales of milk and farm-separated cream in calendar-year 2003 amounted to 289.8 million litres, an increase of 1.2 percent from 2002. Cash receipts for all milk sold off the farm totalled $174.3 million, up by 6.4 percent from the 2002 value of $163.9 million. Supplementary payments were eliminated in 2003. The volume of milk sold for fluid purposes was 111.8 million litres in 2003, an increase of 1.0 percent from 2002. This represented 38.5 percent of all sales in 2003. By comparison, the volume of milk and cream sold off the farm for industrial use amounted to 178.0 million litres in 2003, representing 61.5 percent of total sales.

TABLE 52: Volume of Milk and Cream Sold Off Farm, 1993-2003

	Sold for Fluid Uses	Sold for Industrial Uses		Total Volume of Sales
		Delivered as Milk	Delivered as Cream	
	kilolitres			
1993	113,474	139,505	13,892	**266,871**
1994	112,988	163,059	5,158	**281,205**
1995	114,089	164,257	2,493	**280,839**
1996	115,636	157,399	1,352	**274,387**
1997	110,368	169,518	1,068	**280,954**
1998	105,924	179,172	663	**285,759**
1999	109,928	178,125	406	**288,459**
2000	112,394	180,981	466	**293,841**
2001	112,058	177,004	456	**289,518**
2002	110,773	175,161	335	**286,269**
2003	111,838	177,579	427	**289,844**

SOURCE: Statistics Canada, Cat. No. 23-001XPB.

TABLE 53: Cash Receipts from Milk and Cream Sold Off Farm, 1993-2003

	Sold for Fluid Uses	Sold for Industrial Uses		Total Farm Sales	Supple-mentary Payments	Total Cash Receipts
		Delivered as Milk	Delivered as Cream			
	thousands of dollars					
1993	57,841	54,816	2,493	**115,150**	8,637	**123,787**
1994	57,745	68,477	919	**127,141**	8,442	**135,583**
1995	58,532	69,732	456	**128,720**	7,919	**136,639**
1996	132,141		245	**132,386**	6,537	**138,923**
1997	140,240		190	**140,430**	4,528	**144,958**
1998	145,821		124	**145,945**	3,965	**149,910**
1999	152,211		77	**152,288**	3,137	**155,425**
2000	153,941		88	**154,029**	2,167	**156,196**
2001	157,913		86	**157,999**	1,276	**159,275**
2002[R]	163,862		62	**163,924**	258	**164,182**
2003	174,341		81	**174,422**	0	**174,422**

SOURCE: Statistics Canada, Cat. No. 23-001XPB, Cat. No. 21-603.

Milk & Cream Sales by Dairies

Of the 94.1 million litres of fluid milk sold by Manitoba dairies in 2003, 12.1 percent was standard (homo) milk, 43.7 percent was 2%, 29.9 percent was 1% and 14.4 percent was skim milk. Almost 4.1 million litres of cereal and whipping cream were sold in 2003.

Cheese Production

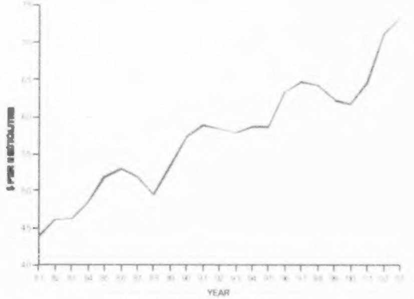
Cheddar cheese production in 2003 was 7,873 tonnes, an increase of 32.8 percent from 5,927 tonnes in 2002. Variety cheese production amounted to 6,492 tonnes in 2003, a decline of 20.3 percent from 8,140 tonnes in 2002.

TABLE 54: Dairy Factory Production by Month, 2003

Month	Fluid Milk				Cereal Cream	Whipping Cream	Cheddar Cheese	Variety Cheese
	Standard	2%	1%	Skim				
	kilolitres						tonnes	
January	993	3,602	2,476	1,190	148	114	831	552
February	893	3,281	2,260	1,090	169	121	516	650
March	973	3,537	2,431	1,186	254	148	531	655
April	928	3,375	2,323	1,130	244	93	548	634
May	975	3,519	2,426	1,174	222	85	787	339
June	905	3,245	2,216	1,082	414	-17	719	420
July	929	3,345	2,220	1,065	242	108	727	405
August	937	3,325	2,265	1,087	241	90	739	444
September	940	3,477	2,344	1,127	245	82	700	529
October	989	3,594	2,472	1,191	211	122	788	426
November	921	3,308	2,290	1,094	246	86	367	751
December	977	3,480	2,386	1,119	271	127	620	687
YEAR	**11,360**	**41,088**	**28,109**	**13,535**	**2,907**	**1,159**	**7,873**	**6,492**

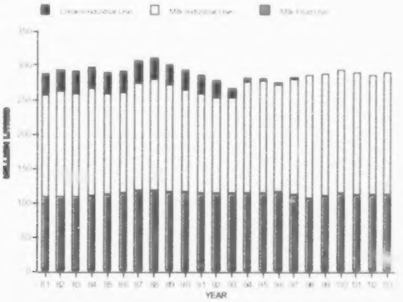
SOURCE: Statistics Canada, Cat. No. 23-001XPB.

CHART 15: Producer Price for Class 1 Milk, 1981 – 2003



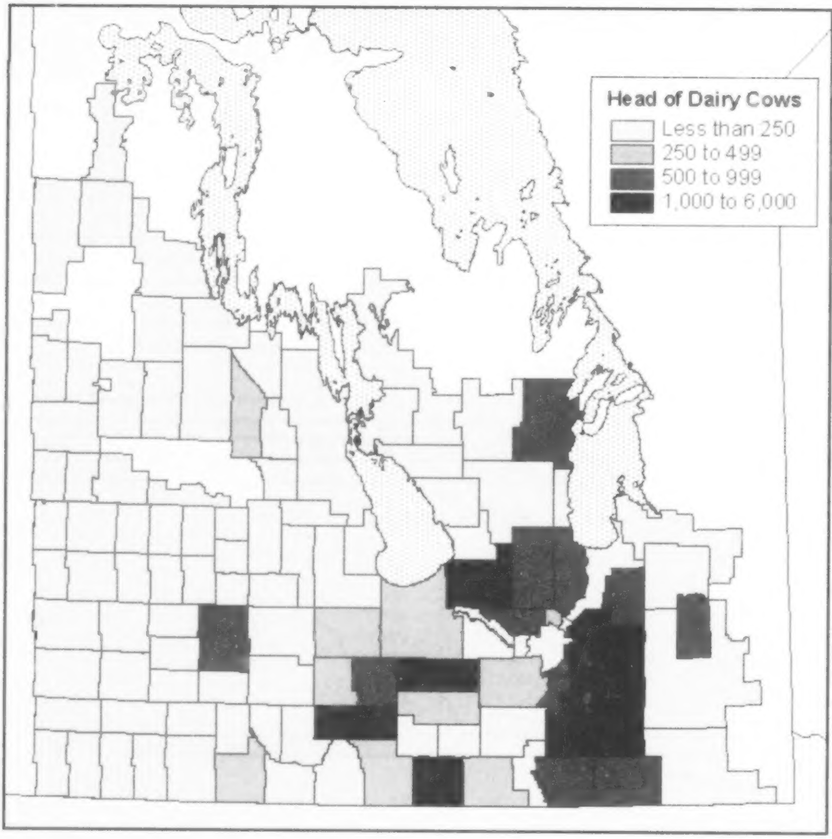
SOURCE: Manitoba Milk Producers.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives.

CHART 16: Farm Sales of Milk and Cream, 1981 – 2003



SOURCE: Statistics Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives.

MAP 13: Total Milk Cows by Rural Municipality, 2001 Census


Head of Dairy Cows
Less than 250
250 to 499
500 to 999
1,000 to 6,000

SOURCE: Statistics Canada, Census of Agriculture, 2001.

POULTRY

Production

The production value of poultry meat and eggs increased by 4.5 percent to an estimated $187.2 million in 2003. The number of eggs sold for the regular commercial markets was nearly identical to 2002 at 54.3 million dozen. There were an additional 16.6 million dozen eggs produced under Special Market Development quota and Eggs for Processing quota. The value of eggs for consumption increased by 4.8 percent to $86.1 million, mainly due to higher prices for eggs. The value of chicken and turkey hatching eggs rose by less than 1 percent as higher prices were offset by lower production. The value of broiler chicken meat increased by 4.1 percent to $63.6 million as a result of higher production and increased prices. The value of turkey meat rose by 8.7 percent, to $19.1 million in 2003 due to increased sales of hens.

TABLE 55: Summary of Poultry Production, 2002, 2003

EGGS	**2002^{R}**			**2003^{P}**		
	Dozen 000	**Price* $/doz**	**Value $000**	**Dozen 000**	**Price* $/doz**	**Value $000**
Sold for regular commercial markets	54,750	1.345	73,650	54,271	1.41	76,522
Eggs for processing/special market development	16,900	0.50	8,450	16,573	0.58	9,612
	71,650		**82,100**	**70,844**		**86,134**
Hatching (chickens)	2,530	3.65	9,200	2,409	3.75	9,034
Hatching (turkeys)	760	10.80	8,200	645	13.20	8,514
TOTAL EGG VALUE	**74,940**		**99,500**	**73,898**		**103,682**
MEAT	**Birds 000**	**Price* $ ea**	**Value $000**	**Birds 000**	**Price* $ ea**	**Value $000**
Broiler Chicken**:						
Broilers (under 1.2 kg live)	n/a	n/a	n/a	n/a	n/a	n/a
Broilers (1.2-2.6 kg live)	27,269	2.22	60,450	29,927	2.34	62,877
Roasters (over 2.6 kg live)	71	4.00	280	75	4.00	300
Used on Farms	200	2.00	400	200	2.00	400
	27,540		**61,127**	**27,202**		**63,577**
Turkey:						
Broilers	276	8.36	2,310	212	8.44	1,789
Hens	480	11.07	5,310	683	11.18	7,636
Toms	577	17.21	9,930	510	18.93	9,654
	1,330		**17,550**	**1,405**		**19,079**
Geese	59	14.40	850	59	14.40	850
Ducks	11	4.50	50	11	4.50	50
TOTAL MEAT VALUE	**28,940**		**79,577**	**28,677**		**83,556**
TOTAL POULTRY PRODUCTION			**179,027**			**187,238**

* Includes levies.

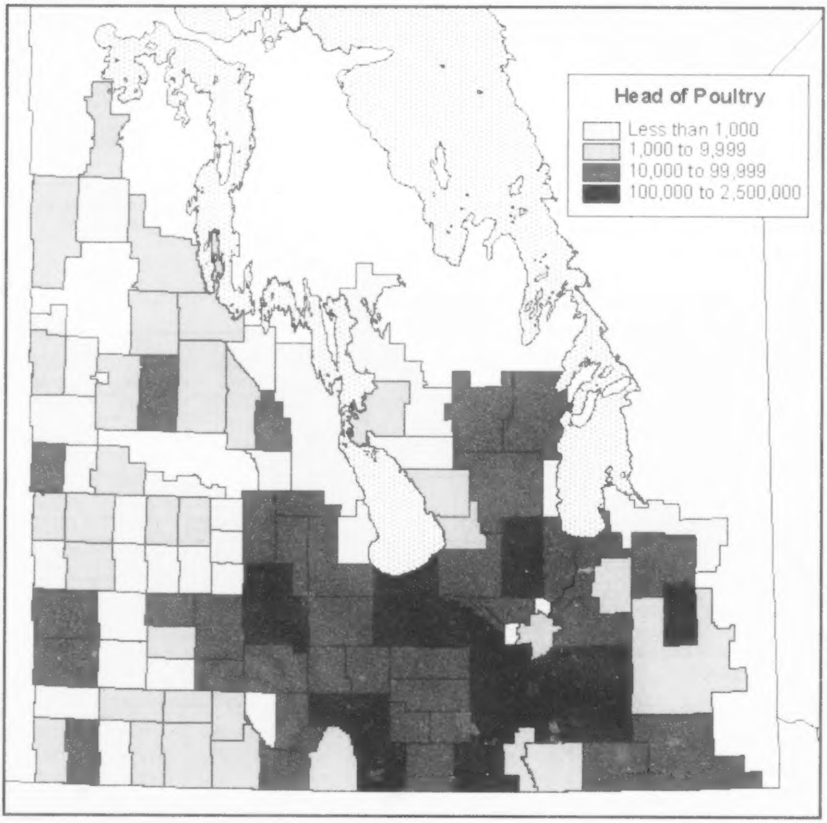
** Includes unregistered production.

SOURCE: Statistics Canada, Census of Agriculture 2001, Manitoba Agriculture, Food and Rural Initiatives, Manitoba Chicken Producers, Manitoba Egg Producers, Manitoba Turkey Producers.

Inventory

The 2001 Census of Agriculture indicated 1,628 producers had 7.9 million hens and chickens on farms on May 15, 2001, 198 farms had 694,200 turkeys and 172 farms had 11,740 ducks, while 138 farms had 59,620 geese. Manitoba poultry farms, including 169 registered egg production operations, 66 registered turkey operations and 119 registered broiler chicken farms, had 3.4 million hens, and approximately 0.7 million turkeys and 3.9 million broiler chickens on farms respectively in July 2003.

MAP 14: Total Poultry by Rural Municipality, 2001 Census


Head of Poultry
Less than 1,000
1,000 to 9,999
10,000 to 99,999
100,000 to 2,500,000

SOURCE: Statistics Canada, Census of Agriculture, 2001.

OTHER LIVESTOCK

Bison

According to industry estimates, there were between 180 and 200 bison producers in Manitoba in 2003, of which most were commercial producers with a few hobbyists. The BSE crisis impacted Manitoba's bison industry significantly in 2003, with dramatic price declines and increased herd sizes due to limited market opportunities. The provincial bison herd totalled 20,000 animals in mid-2003, including 13,350 breeding animals. The breeding herd has been increasing at about 25 percent per year for the past three years. About 5,300 feeder bulls were fed on a grain/grass ration, of which 1,000 head were sold for slaughter in 2003. Of these, 185 finished bulls went to the North American Bison Co-operative plant and 890 bison killed in Manitoba plants in 2003 and approximately 400 killed on farms for meat. It is estimated that about 10,400 calves were produced in the province in 2003. Breeding stock prices dropped to new lows for the industry. Bred cow prices fell to about $150 in 2003, while female calf prices declined to $75 per head. Bull calves and 2-year old bulls for breeding were valued at about $75 and $500 per head respectively. The value of bison production in Manitoba was estimated at about $1.1 million in 2003, down from $2.5 million in 2002, and from $6 million and $14 million in 2001 and 2000 respectively.

Deer & Elk

Manitoba producers had 3,328 elk on 85 farms in 2003. There were between 500 and 750 fallow deer on farms in 2003. There were 15 deer and 103 elk slaughtered in inspected facilities in the province in 2003. The value of elk and deer production was estimated at about $1.2 million in 2003.

Goats

There were about 13,000 goats on 500 farms in 2003. One large commercial dairy goat producer and 25 smaller producers produced more than 100 klitres of goat milk in 2003, most of which was sold as fluid milk with smaller amounts used for cheese production.

There were 271 meat goats killed in Manitoba plants in 2003. Goat meat and milk sales were valued at about $1.3 million in 2003.

Horses

The 2001 Census of Agriculture indicated 3,730 farms reported 62,791 horses and ponies. This figure represents a decrease of 9 percent over the 1996 Census figure of 68,783 head. During the 2002/2003 season, 248 farms supplied pregnant mares' urine from 25,700 production mares for a gross value of $61,294,270. Declining demand led to a decline to 21,651 production mares on 244 farms and an estimated gross value of $59,849,204 in 2003/2004.

The PMU industry in Manitoba produced about 21,000 foals in 2003, some of which were used for replacement mares or marketed as breeding stock, some sold as pleasure animals or ranch stock with the remainder sold to feedlots or exported.

In 2003, the province exported 2,553 horses of all types worth $3.0 million to the U.S. It is estimated that about 30-40 percent of foals end up in feedlots. Only 20 horses were processed in Manitoba plants. The value of horse sales in 2003 was estimated at $21 million.

Llamas and Alpacas

According to the 2001 Census of Agriculture, there were 511 llamas and alpacas on 106 farms kept for breeding purposes, fibre production or as pets. In 2003, Canadian National Livestock Records listed 52 registered llamas and alpacas in Manitoba. Llamas generally are raised and sold as breeding stock, pets and as guard animals for sheep, but can be used for trekking/packing and in 4-H events. Llamas produce fibre which is made into yarn. Manitoba's industry is mainly comprised of smaller herds of one to four animals. Breeding animals sold for about $500 each in 2003.

The registered alpacas are the Huacaya variety. The industry is comprised mainly of animals kept or sold for pets, breeding and fibre. Alpaca fibre is valuable and in demand. Male alpacas were sold for $1,000-10,000. Female breeding stock sold for $5,000-10,000 each.

Rovings, a small mill near Dugald, processes wool, fibre and hair, on a custom or commercial basis. Rovings imports raw material from all over North America and exports yarn and finished products throughout North America. The price of alpaca fibre is about $50/lb or $110/kg, while llama fibre is about $45/lb or $99/kg. Fibre from one alpaca is worth $400-700. The value of llama and alpaca production was estimated at $0.5 million in 2003.

Ostriches

According to the 2001 Census, there were 15 producers with 295 ostriches in the province, of which 50 – 100 were breeding pairs. The size of the industry has declined considerably since then with an estimated 4 active producers with under 75 ostriches remaining in Manitoba. In 2003, 49 ostriches were slaughtered in Manitoba plants. An ostrich carcass typically weighs 60 kg (135 lbs.). Ground ostrich meat has sold for $3 - $6/lb. and premium cuts (about 15% of the carcass weight) sold for $15 to $20/lb. The price of 3-month chicks was $100 each, fertilized eggs were $20 to $50 each, and the prices for empty eggs for the novelty industry were $15 each. Green hides were $50 to $150 dollars each and many were sold to brokers who export them to the U.S. and Mexico. Breeding pairs sold for $2,000 each and the market for breeding stock has been strengthening. The market for ostrich fat was weak in 2004 with few sales occurring. The high cost of processing the birds and cutting up the carcass (approximately $250/bird) is a major hurdle faced by the industry. The value of ostrich production in Manitoba in 2003 is less than $1.0 million.

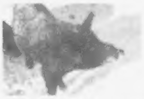
Pheasants

There were 16 pheasant producers in Manitoba with 30,465 pheasants according to the 2001 Census of Agriculture. In 2002, about 20,240 birds were exported to the U.S. and 58,500 chicks were imported. There was one major producer who imported day old chicks from the U.S. and raised the birds for meat, sport and show purposes. No pheasants were slaughtered in the province in 2002. Pheasant meat was exported to the U.S. and Japan via a plant in Ontario. Birds are valued at $8-10/bird. Total sales of pheasants were valued at about $0.5 million in 2002. No data available for 2003.

Rabbits

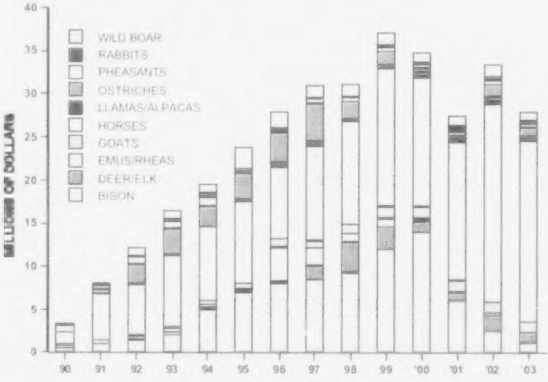
The 2001 Census of Agriculture reported a total of 99 rabbit farms with a rabbit population of 11,902. Manitoba produced 40,000-50,000 slaughter rabbits in 2003. The majority of rabbits were sold to the U.S. primarily for meat but also for medical and industrial purposes. Canadian prices were approximately $1.15/lb and rabbits weighed between 4.5 and 6.5 pounds. About 1,023 rabbits were killed in inspected facilities in the province, while the balance were slaughtered on farms or sold to other provinces. Rabbit sales were valued at about $0.3 million in 2003.

Wild Boars



According to the 2001 Census of Agriculture, Manitoba had 56 wild boar producers with 3,285 animals in 2001, down from 7,560 head five years earlier. There were approximately 2,500 - 3,500 animals in Manitoba in 2003. Wild boar are used for meat and are also exported for hunting. There were 12 boars killed in Manitoba packing plants during 2003, down from 489 in 2002. The value of wild boar sales for slaughter, breeding and hunting was estimated at less than $1.0 million in 2003.

CHART 17: Value of Production of Other Livestock, 1990-2003



SOURCE: Statistics Canada

PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

(Note: No emu production in 2003.)

OTHER PRODUCTS

FURS: FARM-RAISED AND WILDLIFE

The 2001 Census of Agriculture showed 9 farms with 270 foxes, 17 farms with 50,130 mink and 22 farms with 5,840 chinchillas. Pelts were obtained from both fur farms and wildlife sources. In 2003, 42,020 pelts were produced, 120 fox pelts valued at $15,856 produced on 6 fox farms and 41,900 mink pelts valued at $2,101,175 produced on 12 mink farms. In 2002, 11 mink farms produced 28,600 mink pelts valued at $1,148,016, while 60 fox pelts valued at $7,004 were produced by 7 farms.

Wildlife pelts totalled 86,839 in 2002/2003, a decrease of 21.4 percent from 2001/2002 and about 25 percent of the number in the peak-value year, 1986/87. The decrease in pelt sales was offset by higher average prices for fur increasing the 2002/2003 market value to $2998,184, 22.9 percent above the previous year's level.

The total number of farm and wildlife pelts in 2002/2003 was down by 21 percent from 2001/2002 with the overall fur value showing an increase of 1.9 percent.

TABLE 56: Fur Sales, 1998/99 to 2003/04

	1998	**1999**	**2000**	**2001**	**2002^{R}**	**2003^{P}**
Fur Farms:						
Fox:						
Pelts	320	320	180	150	60	120
Value	$16,017	$15,781	$8,782	$7,452	$7,004	15,856
Number of Farms	6	5	6	6	7	6
Mink:						
Pelts	37,800	28,200	35,500	35,500	28,600	41,900
Value	$1,160,656	$1,197,237	$1,615,927	$1,628,851	$1,148,016	2,101,175
Number of Farms	11	9	10	12	11	12
TOTAL PELTS	**38,120**	**28,520**	**35,680**	**35,650**	**28,660**	**42,020**
TOTAL VALUE	**$1,176,673**	**$1,213,018**	**$1,624,709**	**$1,636,303**	**$1,155,020**	**2,117,031**
	1998/99	**1999/2000**	**2000/2001**	**2001/2002**	**2002/2003**	**2003/2004**
Wildlife:						
Pelts	100,820	97,022	102,003	110,470	86,839	NA
Value	$2,037,022	$1,967,405	$2,769,982	$2,440,022	2,998,184	NA
TOTAL FURS:						
Pelts	**138,940**	**125,542**	**137,683**	**146,120**	**115,499**	**NA**
Value	**$3,213,695**	**$3,180,423**	**$4,394,691**	**$4,076,325**	**4,153,204**	**NA**

SOURCE: Statistics Canada; Livestock Statistics; Cat. No. 23-013XIE.

HONEY AND ALFALFA LEAFCUTTING BEES

Honey Bees

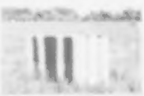
Despite what would be considered a relatively mild winter, colony losses were slightly higher than normal. A cold and miserable fall also caught some beekeepers with insufficient stores in their colonies for winter. An early and warm spring allowed most beekeepers to make up their winter losses and in many cases increase their colony numbers. Honey production in most areas was considered average to above average. The Southwest region of the province and the Interlake region experienced lower than average production due to the drought. Grasshopper populations were also extremely high in these areas and some beekeepers were reporting insecticide related losses.

TABLE 57: Honey Prices and Production, 2000 - 2003

	2000	2001	2002	2003
Number of Beekeepers	860	800	800	550
Number of Colonies	95,000	92,000	87,000	80,000
Honey:				
Average kg/hive	64	77	75	82
Average lb/hive	140	170	165	182
Total Production – tonnes	6,033	7,094	6,511	6,618
Total Production – '000 lb	13,300	15,640	14,355	14,560
Price $/kg	1.65	2.36	4.41	4.25
Price $/lb	0.75	1.07	2.00	1.93
TOTAL VALUE	**$9,975,000**	**$16,740,000**	**$28,710,000**	**$28,100,800**
Beeswax:				
Production – tonnes	88.5	106.4	97.7	99.3
Production – '000 lb	195	234.6	215.3	218.4
Price $/kg	3.97	4.41	4.08	3.74
Price $/lb	1.80	2.00	1.85	1.70
TOTAL VALUE	**$351,000**	**$469,000**	**$398,500**	**$371,280**
TOTAL VALUE HONEY AND BEESWAX	**$10,326,000**	**$17,209,000**	**$29,108,500**	**$28,472,082**

SOURCE: Statistics Canada, Cat. 23-221XIB; Manitoba Agriculture, Food and Rural Initiatives.

Alfalfa Leafcutting Bees



Due to the drought conditions in the Interlake, which is an important alfalfa seed production area in Manitoba, the overall provincial production of alfalfa seed would therefore be considered below average. Leafcutting bee production was also affected by the drought. Despite the fact that reproduction rates were reduced, the overall production of leafcutting bees in 2003 would be considered higher than last year. This was mainly due to the higher stalking rates of pollinators in the fields this year as compared to last year (i.e. 32,000 vs 30,000 bees per acre). Low export demand for bees has forced many producers to increase the number of bees used per acre to make use of the excess bees that were not marketed in 2002.

TABLE 58: Production of Leafcutting Bees and Alfalfa Seed, 2000 - 2003

	2000	2001	2002	2003
Number of Leafcutting Beekeepers	170	170	172	174
Number of Leafcutting Bees (million)	1,839	1,912	2,231	2,322
Price of Leafcutting Bees (per bee)	$0.003	$0.0008	$0.0018	$0.0017
TOTAL VALUE OF BEES	**$5,517,000**	**$1,530,000**	**$4,015,800**	**$3,947,400**
Alfalfa Seed – ha	16,115	16,258	17,200	16,998
Alfalfa Seed – ac	39,820	40,173	42,500	42,000
Alfalfa Seed Production – tonnes	4,533.5	4,737.9	4,179.8	3,619.6
Alfalfa Seed Production – '000 lb	9,994.6	10,445.0	9,215.0	7,980.0
Price $/kg	$2.00	$1.30	$2.10	$1.98
Price $/lb	$0.91	$0.59	$0.95	$0.90
TOTAL VALUE OF SEED PRODUCED	**$9,067,000**	**$6,162,000**	**$8,773,000**	**$7,182,000**
TOTAL VALUE OF BEES AND SEED	**$14,584,000**	**$7,692,000**	**$12,788,800**	**$11,129,400**

NOTE: Statistics reflect total alfalfa seed production (pedigreed and common).
SOURCE: Manitoba Agriculture, Food and Rural Initiatives and Manitoba Crop Insurance Corporation.

RESOURCES

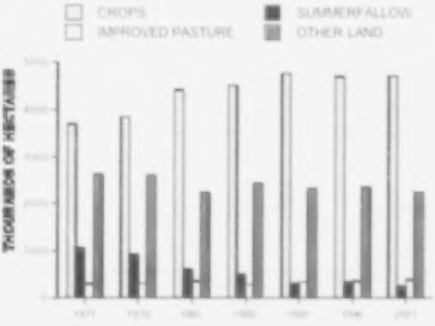
LAND AND FARMS

TABLE 59: Land Use by Area, 2001

Agricultural Region	IMPROVED LAND				Unimproved Pasture	All Other Land	TOTAL LAND
	Crops	Fallow	Pasture	Total			
	000 hectares						
1	518.1	24.0	35.0	577.2	107.6	35.9	720.7
2	527.1	30.6	52.1	609.8	165.0	62.0	836.7
3	483.9	46.1	41.2	571.2	137.2	90.1	798.4
4	205.6	19.0	36.0	260.6	65.4	42.4	368.4
5	200.1	9.7	25.3	235.1	56.1	31.4	322.7
6	386.1	21.8	47.5	455.4	313.8	90.6	859.7
7	675.5	24.2	41.5	741.3	123.5	50.6	915.5
8	754.9	17.1	25.3	797.3	76.7	44.6	918.5
9	341.4	23.9	16.7	382.1	64.4	36.4	482.8
10	83.2	8.0	7.5	98.6	55.2	26.9	180.8
11	237.1	12.1	12.4	261.7	68.8	19.5	350.0
12	301.8	19.1	43.0	363.9	346.7	137.0	847.6
PROVINCE	**4,714.8**	**255.7**	**383.5**	**5,354.0**	**1,580.4**	**667.4**	**7,601.8**
	000 acres						
1	1,280.3	59.4	86.4	1,426.2	265.9	88.7	1,780.8
2	1,302.4	75.7	128.6	1,506.7	407.7	153.2	2,067.5
3	1,195.7	113.9	101.9	1,411.4	339.0	222.6	1,973.0
4	508.1	47.0	88.9	644.0	161.5	104.8	910.3
5	494.5	24.0	62.6	581.0	138.7	77.6	797.3
6	954.0	53.9	117.3	1,125.2	775.3	223.9	2,124.4
7	1,669.3	59.8	102.7	1,831.7	305.3	125.2	2,262.1
8	1,865.4	42.1	62.5	1,970.1	189.6	110.1	2,269.8
9	843.7	59.1	41.4	944.2	159.1	89.9	1,193.1
10	205.5	19.8	18.4	243.7	136.4	66.5	446.7
11	586.0	29.9	30.7	646.6	170.0	48.2	864.8
12	745.7	47.2	106.3	899.3	856.7	338.5	2,094.5
PROVINCE	**11,650.6**	**631.9**	**947.6**	**13,230.1**	**3,905.2**	**1,649.1**	**18,784.4**

SOURCE: Statistics Canada, Census of Agriculture

CHART 18: Land Use, 1971 – 2001



* **SOURCE**: Statistics Canada

PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

FARM NUMBER, SIZE, TYPES

The 2001 Census, taken on May 15th, defines a census farm as a farm, ranch or other agricultural holding with sales of agricultural products.

In 2001, the total number of farms in Manitoba was 21,071, a 13.6 percent decline from 1996. Each farm averaged 361 hectares (891 acres). Almost 54 percent of Census farms reported sales over $50,000 in 2000, while 37 percent had sales over $100,000.

TABLE 60: Size and Number of Farms, 2001

Agricultural Region	Census Farms			Number of Census Farms					
				(with sales ≥ $50,000)			(with sales ≥ $100,000)		
	Number	Average Size		Number	% of Farms	% of all Farms	Number	% of Farms	% of all Farms
		ha	ac						
1	1,556	463	1,144	970	8.6	4.6	664	8.6	3.2
2	2,138	391	967	1,219	10.8	5.8	793	10.2	3.8
3	1,907	419	1,035	1,090	9.7	5.2	710	9.2	3.4
4	921	400	988	479	4.2	2.3	296	3.8	1.4
5	885	365	901	431	3.8	2.0	282	3.6	1.3
6	1,812	474	1,172	880	7.8	4.2	540	7.0	2.6
7	2,509	365	902	1,518	13.5	7.2	1,093	14.1	5.2
8	3,021	304	751	1,951	17.3	9.3	1,451	18.7	6.9
9	2,485	194	480	1,205	10.7	5.7	943	12.2	4.5
10	688	263	649	210	1.9	1.0	152	2.0	0.7
11	1,369	256	632	547	4.9	2.6	371	4.8	1.8
12	1,780	476	1,177	775	6.9	3.7	453	5.8	2.1
PROVINCE	**21,071**	**361**	**891**	**11,275**	**100.0**	**53.5**	**7,748**	**100.0**	**36.8**

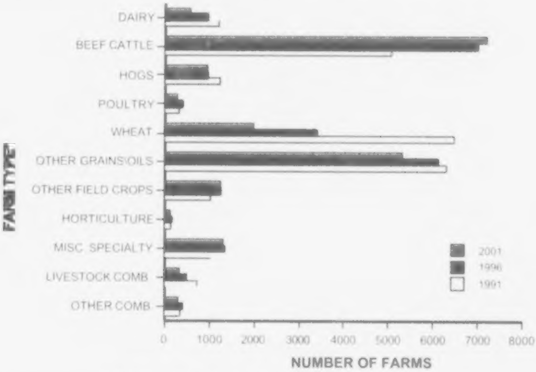
SOURCE: Statistics Canada, Census of Agriculture.

TABLE 61: Farms with Total Gross Receipts of $2,500 or More, by Farm Type, 1971 – 2001

Farm Types	1971	1976	1981	1986	1991	1996	2001
	number of farms reporting						
Dairy	1,616	1,639	1,803	1,412	1,195	946	600
Cattle (beef)	5,494	5,186	5,679	4,682	5,071	7,018	7,232
Hogs	2,287	821	1,011	1,111	1,242	946	968
Poultry	520	285	409	356	311	401	284
Wheat	2,738	7,407	6,105	6,272	6,479	3,407	2,007
Other Grains & Oilseeds	7,249	9,127	8,533	8,758	6,303	6,110	5,325
Other Field Crops	377	275	498	415	1,032	1,248	1,276
Fruit	4	...	24	47	73	85	72
Vegetables	61	...	60	53	69	65	62
Miscellaneous Specialty	262	274	592	731	1,041	1,334	1,318
Livestock Combination	3,452	1,465	1,152	615	727	489	355
Other Combination	1,304	...	651	810	340	407	319
Total	**25,364**	**26,479**	**26,517**	**25,262**	**23,883**	**22,456**	**19,818**

SOURCE: Statistics Canada, Census of Agriculture.

CHART 19: Farms Classified by Farm Type, 1991, 1996, and 2001



* **51% or more of product sales from specified type.**

SOURCE: Statistics Canada.

PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 62: Percent of Farms with Crops and Livestock, 2001

Agricultural Region	CROPS					LIVESTOCK			
	Wheat	Oats	Barley	Flax	Canola	Cattle	Hogs	Sheep	Chickens
1	59	32	36	21	40	62	5	4	5
2	48	32	37	17	33	60	5	4	6
3	56	30	43	14	43	59	5	5	7
4	46	35	32	6	37	64	4	6	7
5	52	28	19	4	39	51	6	3	7
6	40	36	30	8	30	64	5	3	7
7	49	40	26	18	32	52	7	3	7
8	61	28	31	22	40	42	14	3	7
9	30	26	19	9	17	41	16	3	14
10	18	24	15	4	10	51	9	4	14
11	39	31	24	9	20	45	6	4	9
12	21	21	19	6	13	66	4	3	6
PROVINCE	**45**	**31**	**29**	**13**	**30**	**54**	**8**	**3**	**8**

SOURCE: Statistics Canada, Census of Agriculture.

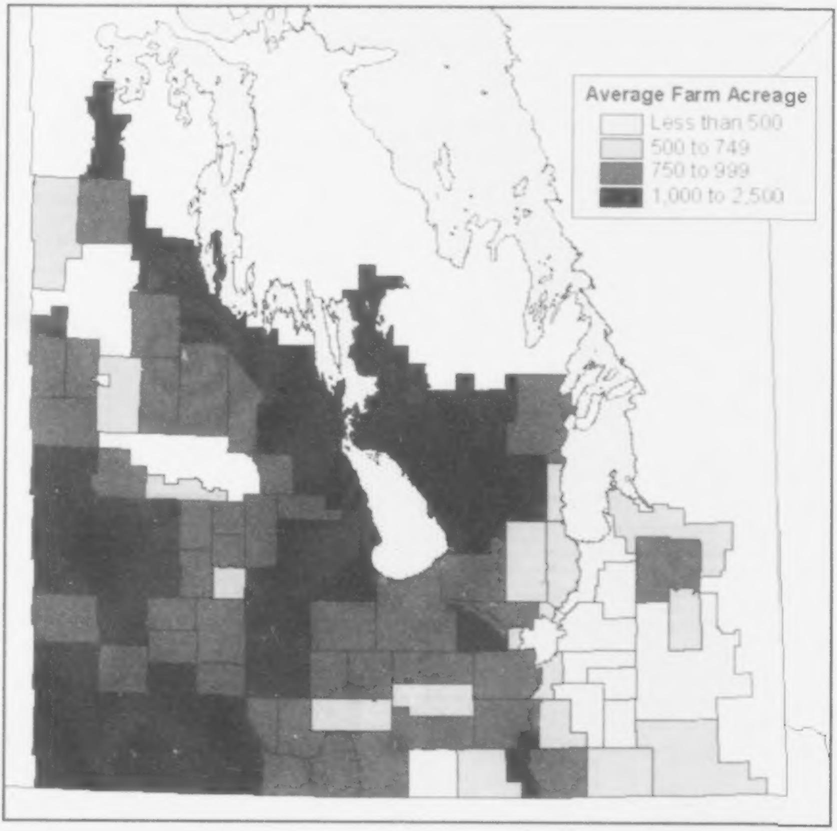
TENURE

TABLE 63: Farms Classified by Tenure of Operator, 1996, 2001

	1996			2001		
	No. of Operators	TOTAL		No. of Operators	TOTAL	
		Hectares	Acres		Hectares	Acres
Owner	23,036	4,928,736	12,179,174	20,031	4,747,047	11,730,210
Renter/Lessee	12,125	2,803,402	6,927,357	10,708	2,854,731	7,054,197
From Government	3,109	891,817	2,203,727	2,495	836,804	2,067,789
Rented/Leased from Others	10,435	1,911,585	4,723,630	8,695	1,800,033	4,447,979
Area Crop-shared from Others	...	...	...	1,602	217,894	538,429
TOTAL	**24,383**	**7,732,138**	**19,106,531**	**21,071**	**7,601,779**	**18,784,407**

SOURCE: Statistics Canada, Census of Agriculture.

MAP 15: Average Farm Size by Rural Municipality, 2001 Census


Average Farm Acreage
Less than 500
500 to 749
750 to 999
1,000 to 2,500

SOURCE: Statistics Canada, Census of Agriculture, 2001

PEOPLE

Population

The farm population reached 68,130 or 6.1 percent of Manitoba's total population in 2001, a decrease of 14.7 percent from 1996, when there were 79,835 people on Manitoba farms.

Of the 21,071 farms in 2001, 12,322 or 58.5 percent were operated as individual or family holdings with no operating arrangement, while 8,330 or 39.5 percent were family partnerships or corporations. Non-family corporations and other arrangements, such as institutions, colonies or community pastures totalled 419 or 2.0 percent.

There were 28,800 farm operators managing Manitoba's farms in 2001, of which 22.6 percent were female. Over 64 percent of farm operators were involved only in farming or agricultural-related occupations in 1996, while the remainder had a non-agricultural occupation.

About 13.4 percent of Manitoba farm operators were under 35 years of age in 2001, 53.7 percent were 35-54 years, while 32.8 percent were 55 years and over. In 1996, 31 percent of operators were 55 years or older, while in 1991 the percentage was 32.3 percent.

About 83.4 percent of Manitoba farm operators were married in 2001 compared to 83.1 percent in 1996.

In 2001, the top four languages reported as mother tongue by Manitoba farm operators were English (72.5 percent), German (12.9 percent), Ukrainian (5.2 percent) and French (5 percent). On average, in 2001, Manitoba farmers had 11.6 years of schooling compared to farmers in 1996 who had 11.2 years of schooling. More than 34 percent of farmers had post-secondary education in 2001, almost identical to 1996. In general, female farm operators had more years of post-secondary education than their male counterparts.

TABLE 64: Farm Operators by Selected Characteristics, 1971-2001

Characteristics	1971	1976	1981	1986	1991	1996^{R}	2001
	number of farm operators						
Occupation							
Farmers & Farm Managers	Not available.			18,910	20,545		
Other Agricultural Occupation				1,165	3,180		
Total Primary Farm Operators	**Not available.**			**20,075**	**23,720**	**21,420**	**18,695**
Total Secondary Farm Operators				**7,260**	**11,060**	**11,885**	**10,100**
ALL FARM OPERATORS*	**34,981**	**32,104**	**29,442**	**27,335**	**34,780**	**33,310**	**28,795**
Male	Not available.			26,465	27,005	26,155	22,225
Female				870	7,775	7,155	6,570
Under the Age of 35	**5,570**	**6,880**	**7,228**	**6,330**	**7,190**	**5,905**	**3,860**
Male	Not available.			6,150	5,580	4,575	2,985
Female				185	1,605	1,330	875
35 – 54 Years of Age	**17,773**	**14,916**	**13,261**	**11,860**	**16,290**	**17,015**	**15,475**
Male	Not available			11,505	12,270	12,955	11,640
Female				355	4,020	4,065	3,840
55 Years and Over	**11,638**	**10,308**	**8,953**	**9,140**	**11,300**	**10,330**	**9,455**
Male	Not available.			8,810	9,155	8,550	7,655
Female				325	2,145	1,785	1,805
Average Age of Operators	**48.4**	**47.2**	**46.3**	**47.2**	**47.4**	**47.7**	**49.0^{P}**
Male	Not available				47.7	47.9	49.4^{P}
Female					46.3	46.2	47.6^{P}

* Prior to 1991 primary farm operators only

NOTE: Totals may not add due to method of estimation

SOURCE: Statistics Canada, Censuses of Agriculture and Population. Last modified September 29, 2004.

TABLE 64: Farm Operators by Selected Characteristics continued

Characteristics		Total Farm Operators	Farm Operators with an Agricultural Occupation			Farm Operators with a Non-Agricultural Occupation		
			Total	Male	Female	Total	Male	Female
	1991 (number)	34,780	23,720	19,845	3,870	11,060	7,085	3,985
	1996 (number)	33,310	21,420	17,990	3,435	11,885	8,165	3,720
	2001 (number)	28,795	18,695	15,645	3,050	10,100	6,580	3,515
1996	Under 35 years of age (%)	17.8	15.1	15.3	14.4	22.5	23.3	20.7
	35 to 54 years of age (%)	51.2	47.6	46.9	51.2	57.8	55.8	62.2
	55 years of age and over (%)	31.0	37.2	37.7	34.4	19.7	20.9	17.1
	Average age (years)	**47.6**	**49.6**	**49.8**	**48.7**	**43.9**	**43.9**	**43.9**
2001	Under 35 years of age (%)	13.8	12.0	12.1	11.5	17.1	17.2	16.8
	35 to 54 years of age (%)	53.7	50.0	49.4	53.1	60.7	59.3	63.3
	55 years of age and over (%)	32.5	38.1	38.6	35.4	22.3	23.4	20.2
	Average age (years)	**49.0**	**50.6**	**50.7**	**49.8**	**46.0**	**46.2**	**45.7**
1996	Single (%)	11.7	13.0	15.0	2.5	9.4	12.9	1.6
	Married/common-law (%)	83.1	81.5	80.2	88.5	85.9	82.7	92.9
	Separated (%)	1.2	1.2	1.2	1.2	1.1	1.2	0.8
	Divorced (%)	1.8	1.6	1.9	0.1	2.2	2.6	1.3
	Widowed (%)	2.2	2.7	1.7	7.7	1.5	0.6	3.2
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
2001	Single (%)	10.9	12.1	13.6	4.1	8.8	12.1	2.4
	Married/common-law (%)	83.4	82.1	81.0	87.7	85.8	82.5	92.2
	Separated (%)	1.1	1.0	1.0	1.1	1.2	1.5	0.6
	Divorced (%)	2.5	2.5	2.8	0.7	2.5	2.7	2.0
	Widowed (%)	2.1	2.3	1.6	6.2	1.8	1.2	2.7
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
1996	English (%)	70.1	68.8	68.6	70.0	72.5	71.9	74.1
	French (%)	5.8	5.8	5.5	7.4	5.8	6.3	4.7
	German (%)	13.8	14.7	14.8	14.4	12.0	12.1	11.8
	Ukrainian (%)	5.8	5.9	6.3	3.8	5.7	5.6	5.8
	Dutch (%)	1.0	1.2	1.1	1.5	0.7	0.7	0.8
	All Others (%)	3.5	3.6	3.7	3.2	3.3	3.5	3.1
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
2001	English (%)	72.5	71.3	71.0	72.3	74.9	73.6	77.3
	French (%)	5.0	5.1	5.3	3.9	4.9	4.9	5.0
	German (%)	12.9	14.2	13.9	15.7	10.5	10.6	10.1
	Ukrainian (%)	5.2	5.2	5.5	3.4	5.3	5.9	4.3
	Dutch (%)	1.0	1.2	1.2	1.1	0.6	0.7	0.6
	All Others (%)	3.3	3.0	2.9	3.4	3.8	4.3	2.8
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
1996	Less than Grade 9 (%)	18.8	22.0	23.6	13.2	13.0	15.9	6.7
	Grades 9 to 13 (%)	47.2	48.6	48.9	47.2	44.6	45.3	42.8
	Post-secondary, non-university (%)	20.1	16.7	15.1	25.2	26.2	23.5	32.1
	University (%)	13.9	12.7	12.3	14.6	16.2	15.2	18.3
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
	Average no. of years of schooling (years)	**11.2**	**10.9**	**10.7**	**11.6**	**11.7**	**11.5**	**12.3**
2001	Less than Grade 9 (%)	13.5	15.7	17.0	9.3	9.4	11.6	5.4
	Grades 9 to 13 (%)	52.4	55.3	55.3	55.3	47.0	47.9	45.1
	Post-secondary, non-university (%)	22.1	18.0	16.6	24.9	29.8	28.1	32.7
	University (%)	12.1	11.0	11.1	10.6	14.0	12.5	16.8
	Total (%)	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
	Average no. of years of schooling (years)	**11.6**	**11.3**	**11.2**	**11.9**	**12.2**	**11.9**	**12.6**

SOURCE: Statistics Canada, Censuses of Agriculture and Population.

TABLE 64: Farm Operators by Selected Characteristics continued

		2001			
		Total Farms	Average Farm Area in acres	Average Gross Farm Receipts in 2000$	Average Farm Capital Market Value $
All farms	Young operators	2,110	635	103,545	523,485
	Middle aged operators	10,320	964	206,216	802,318
	Elderly operators	6,295	701	96,269	530,860
	Young & middle aged operators mix	670	1,115	235,851	1,020,022
	Young & elderly operators mix	400	1,524	284,610	1,290,533
	Middle aged & elderly operators mix	1,145	1,301	223,632	1,035,372
	Young, middle aged & elderly operators mix	140	1,820	360,330	1,441,586
	All farms	**21,070**	**891**	**167,492**	**726,346**
Farms with one operator	Young operators	1,600	638	100,276	513,082
	Middle aged operators	7,210	930	208,651	768,064
	Elderly operators	4,940	694	97,637	526,507
	Young & middle aged operators mix	0	0	0	0
	Young & elderly operators mix	0	0	0	0
	Middle aged & elderly operators mix	0	0	0	0
	Young, middle aged & elderly operators mix	0	0	0	0
	All farms	**13,745**	**811**	**156,144**	**651,583**
Farms with two or more operators	Young operators	505	625	113,861	556,316
	Middle aged operators	3,115	1,040	200,584	881,571
	Elderly operators	1,350	724	91,282	546,740
	Young & middle aged operators mix	670	1,115	235,851	1,020,022
	Young & elderly operators mix	400	1,524	284,610	1,290,533
	Middle aged & elderly operators mix	1,145	1,301	223,632	1,035,372
	Young, middle aged & elderly operators mix	140	1,820	360,330	1,441,586
	All farms	**7,325**	**1,042**	**188,792**	**866,674**

Source: Census of Agriculture, Statistics Canada (operator database 100%).

			Number of Farm Operators	Average Farm Area in acres	Average Gross Farm Receipts *in 1990$*	Average Farm Capital Market Value $
1991	All farms	less than 25 years	1,070	839	101,780	461,871
		25 - 34 years	6,115	774	105,798	443,056
		less than 35 years	**7,190**	**784**	**105,200**	**445,857**
		35 - 44 years	8,645	846	112,274	477,533
		45 - 54 years	7,645	887	102,619	473,450
		35 - 54 years	**16,295**	**865**	**107,741**	**475,616**
		55 - 64 years	6,805	784	93,145	424,894
		65 years and over	4,490	634	65,643	330,482
		55 years and over	**11,300**	**724**	**82,212**	**387,363**
		ALL OPERATORS	**34,780**	**803**	**98,921**	**440,790**
	Farms with one operator	less than 25 years	405	485	45,456	229,572
		25 - 34 years	2,750	608	70,485	326,145
		less than 35 years	**3,155**	**593**	**67,258**	**313,692**
		35 - 44 years	4,160	744	89,962	399,619
		45 - 54 years	3,780	775	82,573	391,553
		35 - 54 years	**7,945**	**759**	**86,445**	**395,781**
		55 - 64 years	3,470	659	69,478	340,743
		65 years and over	2,485	500	41,907	245,193
		55 years and over	**5,955**	**593**	**57,985**	**300,913**
		ALL OPERATORS	**17,055**	**670**	**72,956**	**347,463**
	Farms with two or more operators	less than 25 years	660	1,056	136,311	604,290
		25 - 34 years	3,370	910	134,574	538,325
		less than 35 years	**4,035**	**934**	**134,860**	**549,171**
		35 - 44 years	4,480	940	132,994	549,890
		45 - 54 years	3,870	997	122,208	553,485
		35 - 54 years	**8,350**	**966**	**127,998**	**551,555**
		55 - 64 years	3,335	914	117,781	512,492
		65 years and over	2,010	798	94,955	435,811
		55 years and over	**5,345**	**871**	**109,199**	**483,661**
		ALL OPERATORS	**17,730**	**930**	**123,892**	**530,541**

SOURCE: Census of Agriculture, Statistics Canada (agriculture - population 2A database 100%).

TABLE64: Farm Operators by Selected Characteristics continued

			Number of Farm Operators	Average Farm Area in acres	Average Gross Farm Receipts	Average Farm Capital Market Value $
1996	All farms				*in 1995$*	
		less than 25 years	975	769	104,199	475,446
		25 - 34 years	4,930	759	135,989	536,079
		less than 35 years	**5,900**	**761**	**130,738**	**526,064**
		35 - 44 years	9,070	912	157,498	636,644
		45 - 54 years	7,955	928	159,874	646,019
		35 - 54 years	**17,020**	**920**	**158,608**	**641,024**
		55 - 64 years	5,990	846	126,766	570,597
		65 years and over	4,345	670	93,960	448,625
		55 years and over	**10,330**	**772**	**112,976**	**519,326**
		ALL OPERATORS	**33,255**	**846**	**139,481**	**582,799**
	Farms with one operator	less than 25 years	345	402	49,206	240,070
		25 - 34 years	2,050	590	100,849	382,520
		less than 35 years	**2,395**	**563**	**93,417**	**362,019**
		35 - 44 years	4,085	762	113,249	486,926
		45 - 54 years	3,760	769	123,150	501,651
		35 - 54 years	**7,850**	**765**	**117,997**	**493,987**
		55 - 64 years	3,095	673	84,711	422,862
		65 years and over	2,550	499	59,889	312,981
		55 years and over	**5,645**	**594**	**73,500**	**373,234**
		ALL OPERATORS	**15,895**	**674**	**98,477**	**431,164**
	Farms with two or more operators	less than 25 years	630	970	134,342	604,463
		25 - 34 years	2,875	880	161,097	645,798
		less than 35 years	**3,505**	**896**	**156,288**	**638,369**
		35 - 44 years	4,985	1,036	193,772	759,374
		45 - 54 years	4,185	1,071	192,880	775,768
		35 - 54 years	**9,170**	**1,052**	**193,364**	**766,860**
		55 - 64 years	2,890	1,032	171,774	728,704
		65 years and over	1,795	914	142,422	641,561
		55 years and over	**4,690**	**986**	**160,543**	**695,361**
		ALL OPERATORS	**17,365**	**1,003**	**177,020**	**721,623**
2001	All farms				*in 2000$*	
		less than 25 years	630	864	157,590	739,309
		25 - 34 years	3,225	887	167,221	770,222
		less than 35 years	**3,860**	**883**	**165,646**	**765,169**
		35 - 44 years	7,465	992	194,217	855,305
		45 - 54 years	8,015	1,092	232,478	889,956
		35 - 54 years	**15,480**	**1,044**	**214,032**	**873,251**
		55 - 64 years	5,450	936	145,727	725,297
		65 years and over	4,010	729	99,016	561,290
		55 years and over	**9,460**	**848**	**125,919**	**655,751**
		ALL OPERATORS	**28,795**	**958**	**178,605**	**787,323**
	Farms with one operator	less than 25 years	215	468	56,927	370,194
		25 - 34 years	1,365	667	107,525	537,486
		less than 35 years	**1,580**	**640**	**100,640**	**514,722**
		35 - 44 years	3,280	858	156,329	708,410
		45 - 54 years	3,840	998	250,284	816,558
		35 - 54 years	**7,120**	**933**	**207,003**	**766,739**
		55 - 64 years	2,650	783	119,290	606,493
		65 years and over	2,260	591	71,910	431,921
		55 years and over	**4,910**	**694**	**97,461**	**526,065**
		ALL OPERATORS	**13,610**	**813**	**155,136**	**650,655**
	Farms with two or more operators	less than 25 years	415	1,068	209,598	930,013
		25 - 34 years	1,860	1,048	210,915	940,573
		less than 35 years	**2,280**	**1,051**	**210,675**	**938,646**
		35 - 44 years	4,180	1,098	223,935	970,524
		45 - 54 years	4,175	1,178	216,101	957,465
		35 - 54 years	**8,360**	**1,138**	**220,021**	**964,000**
		55 - 64 years	2,795	1,081	170,738	837,694
		65 years and over	1,745	908	134,094	728,711
		55 years and over	**4,550**	**1,014**	**156,651**	**795,796**
		ALL OPERATORS	**15,185**	**1,088**	**199,640**	**909,822**

SOURCE: Census of Agriculture, Statistics Canada (agriculture - population 2A database 100%)

Hired Agricultural Labour

The 2001 Census of Agriculture reported that in 2000, 8,669 farms hired paid labour for 493,462 weeks. This included the hiring of 343,346 weeks of year-round labour by 3,864 farms and 150,166 weeks of seasonal labour by 6,106 farms. Almost 15.4 percent fewer farms hired 13.0 percent more weeks of paid labour in 2000 than five years earlier. Year-round employment increased by 18.4 percent over the five-year period, while seasonal employment increased by 2.3 percent.

FARM WAGES

The estimated average wage for hired agricultural labour in 2000 was $10.62 per hour, rising to $10.90 per hour in 2001, $11.31 per hour in 2002 and $11.97 per hour in 2003.

TABLE 65: Average Wages for Hired Agricultural Labour, 1996-2003

Type	1996	1997	1998[E]	1999	2000	2001	2002	2003
	$/hour							
General farm labour	8.87	8.88	9.19	N.A.	N.A.	N.A.	N.A.	N.A.
Machine operator	10.03	9.71	10.06					
Care of livestock	8.16	9.42	9.76					
Fruit & vegetable	6.33	7.71	8.34					
Supervisor	11.47	13.71	14.18					
Other labour	7.96	9.91	10.03					
AVERAGE ALL TYPES	**9.00**	**9.87**	**10.25**	**10.21**	**10.62**	**10.90**	**11.31**	**11.97**

SOURCE: Statistics Canada; Manitoba Bureau of Statistics.

CAPITAL

Investment in Agriculture

The average investment per Manitoba farm reporting in the 2001 Census amounted to $726,346, an increase of 40.2 percent from 1996. Land and buildings accounted for 64.4 percent, machinery for 22.4 percent and livestock for 13.2 percent, respectively, of the total capital investment. According to the Census, total investment in agriculture was $15,304,836,124 in 2001, 21.1 percent above the 1996 level. The average capital investment in land and buildings was $467,878 per farm, based on the 2001 Census. This value had increased by 34.4 percent since 1996, reflecting the change to higher land values and larger farms.

TABLE 66: Capital Investment Per Farm Reporting, 2001

Agricultural Region	Land & Buildings	Machinery & Equipment	Livestock & Poultry	TOTAL*
	dollars per farm reporting			
1	491,858	192,664	146,367	788,936
2	490,399	184,219	149,173	783,602
3	406,235	165,805	125,329	659,120
4	336,333	139,267	140,030	579,443
5	331,080	141,946	111,369	546,265
6	283,294	130,160	153,956	524,503
7	649,977	216,921	157,152	964,233
8	618,890	187,929	117,246	875,126
9	531,322	135,210	148,062	766,869
10	278,375	103,896	104,276	452,294
11	474,566	147,031	122,954	697,668
12	276,441	118,127	176,585	529,487
PROVINCE	**467,878**	**162,811**	**141,584**	**726,346**

* As a different number of farms reported for each component, the total value per farm is not equal to the sum of the component values.

SOURCE: Statistics Canada, Census of Agriculture.

	1999^R	2000	2001^R	2002^R	2003^P
	thousand dollars				
CANADA	**181,224,159**	**187,724,011**	**195,114,847**	**197,307,114**	**198,204,483**
Manitoba	14,466,598	14,870,211	15,203,648	15,111,348	15,205,801
British Columbia	14,795,888	15,045,855	15,667,250	15,955,235	16,108,913
Alberta	48,420,546	51,282,067	54,430,076	55,027,721	54,539,604
Saskatchewan	32,816,742	33,089,123	32,948,955	32,692,714	32,750,181
Ontario	47,575,470	48,722,708	50,411,823	51,362,226	52,282,729
Quebec	18,551,665	19,926,790	21,485,054	22,175,770	22,344,477
New Brunswick	1,356,912	1,432,689	1,515,545	1,518,911	1,517,491
Nova Scotia	1,512,877	1,585,854	1,641,909	1,649,152	1,640,820
PEI	1,534,420	1,575,165	1,606,575	1,603,621	1,598,144
NFLD	193,041	193,549	204,012	210,416	216,323

SOURCE: Statistics Canada, Catalogue 21-013-XIE, May 2004.

LAND VALUES

TABLE 68: Value per Unit of Farmland and Buildings, Manitoba and Canada

Year	$ per hectare		$ per acre	
	Manitoba	Canada	Manitoba	Canada
1983	939	1,448	380	586
1984	907	1,379	367	558
1985	887	1,278	359	517
1986	850	1,181	344	478
1987	803	1,127	325	456
1988	751	1,147	304	464
1989	810	1,280	328	518
1990	887	1,371	359	555
1991	882	1,384	357	560
1992	890	1,352	360	547
1993	922	1,371	373	555
1994	959	1,443	388	584
1995	1,020	1,567	413	634
1996	1,095	1,703	443	689
1997^R	1,181	1,873	478	758
1998^R	1,231	1,967	498	796
1999^R	1,250	2,031	506	822
2000^R	1,280	2,086	518	844
2001^R	1,297	2,130	525	862
2002^R	1,312	2,189	531	886
2003^P	1,354	2,239	548	906
Averages:				
1921 – 1930	65	81	26	33
1931 – 1940	38	49	15	20
1941 – 1950	49	57	20	23
1951 – 1960	84	96	34	39
1961 – 1970	145	182	59	74
1971 – 1980	435	643	176	260
1981 – 1990	879	1,325	356	536
1991 – 2000^R	1,071	1,678	433	679

SOURCE: Statistics Canada, Catalogue 21-013-XIE, May 2004.

MACHINERY

The number of farm trucks licensed for operation in Manitoba in 2003 was 61,600, a decrease of 1.8 percent from the previous year. The number of farm trucks decreased between 1985 and 1989, rose from 1990 to 1992, but decreased between 1992 and 2003.

TABLE 69: Farm Machinery Numbers

	1996 Census		2001 Census	
	Farms Reporting	Number on Manitoba Farms	Farms Reporting	Number on Manitoba Farms
Tractors	22,127	68,735	19,665	69,209
Trucks	22,440	55,704	19,831	51,784
Combines	14,214	17,490	11,813	14,673
self-propelled	11,047	13,036	-	-
pull-type	4,099	4,454	-	-
Balers	11,655	15,088	10,622	13,518
bales, less than 200 lb	6,166	6,600	-	-
bales, 200 lb or more	8,083	8,488	-	-
Swathers and Windrowers	15,319	20,444	14,730	21,785
Mower Conditioners	6,101	6,440		
Forage Crop Harvesters	955	996	1,193	1,353
Farms with Cultivation, Seeding and Tillage Equipment	17,270	NA	15,261	53,196
Farms with All Other Farm Machinery and Equipment	19,835	NA	-	-
Farms with Personal Computers	4,618	NA	7,573	7,573

SOURCE: Statistics Canada; Census of Agriculture, 1996 and 2001.

FERTILIZER

Fertilizer sales, excluding mixed fertilizers, increased to 1,002,200 tonnes (1,104,400 tons) in 2003 from 859,300 tonnes (946,900 tons) in 2002.

TABLE 70: Sales of Fertilizer, July 1 to June 30, 2001-2003

Formulation	Tonnes Sold			Tons Sold		
	2001	2002	2003	2001	2002	2003
	thousands					
Types:						
Ammonium Phosphate	213.3	211.3	253.3	235.1	232.9	279.1
Ammonium Nitrate	34.4	44.0	17.1	37.9	48.5	18.8
Urea	206.4	209.8	219.0	227.5	231.2	241.3
Anhydrous Ammonia	165.2	167.8	166.2	182.1	184.9	183.2
Nitrogen Solutions	72.7	63.6	146.4	80.1	70.0	161.3
Ammonium Sulphate	64.4	72.3	85.9	71.0	79.7	94.7
Potassium Chloride	55.9	58.6	78.9	61.6	64.6	86.9
Other Fertilizer Materials [1]	24.8	31.9	35.3	27.3	35.1	38.9
TOTAL FERTILIZER SALES	**837.0**	**859.3**	**1,002.2**	**922.4**	**946.9**	**1,104.4**

[1] Includes other nitrogen, other phosphates and other fertilizers.

SOURCE: Canadian Fertilizer Institute.

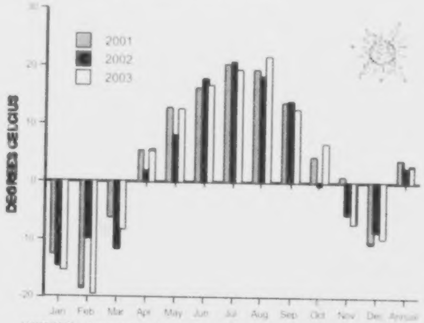
WEATHER

TABLE 71: Weather Record for the Year 2003, Winnipeg

Month	Temperature		Precipitation		Sunshine		
	Mean Monthly	Normal Mean	2003	Normal	Duration	% of Possible	Normal
	°C		mm		hrs	%	hrs
January	-15.5	-17.8	12.0	19.7	NA	-	120.1
February	-19.4	-13.6	10.5	14.9	NA	-	137.8
March	-8.2	-6.1	18.5	23.3	NA	-	178.4
April	5.4	4.0	33.0	31.9	NA	-	239.1
May	12.6	12.0	78.5	58.8	NA	-	286.2
June	16.7	17.0	42.5	89.5	NA	-	283.2
July	19.4	19.5	44.5	70.6	NA	-	317.5
August	21.6	18.5	72.0	75.1	NA	-	280.2
September	12.6	12.3	38.5	52.3	NA	-	186.4
October	6.6	5.3	18.5	36.0	NA	-	147.1
November	-7.2	-5.3	13.5	25.0	NA	-	95.6
December	-9.7	-14.4	28.0	18.5	NA	-	100.3
YEAR	**2.9**	**2.6**	**410.0**	**515.6**	**NA**	**-**	**2,371.9**

SOURCE: Environment Canada.

CHART 20: Winnipeg Monthly Mean Temperatures, 2001 – 2003



SOURCE: Atmospheric Environment Service, Environment Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

TABLE 72: Monthly and Annual Growing Degree-Days* 2003, Winnipeg

Month	Cooling (above 18°C)	Normal	Growing (above 5°C)	Normal	Heating (below 18°C)	Normal
January					1,038.9	1,109.3
February					1,046.0	893.8
March			2.9	1.7	812.7	746.1
April		0.7	83.5	58.7	377.7	421.6
May	2.4	14.6	238.6	225.1	168.4	200.1
June	23.2	37.5	350.2	359.9	63.0	67.7
July	60.7	68.3	446.9	450.5	16.8	20.9
August	130.7	56.4	513.9	418.0	19.8	41.3
September	17.9	7.9	234.6	221.9	178.9	178.8
October		0.2	106.4	66.5	353.8	395.5
November				4.1	754.6	698.0
December					857.8	1,004.5
YEAR	**234.9**	**185.6**	**1,977.0**	**1,806.4**	**5,688.4**	**5,777.6**

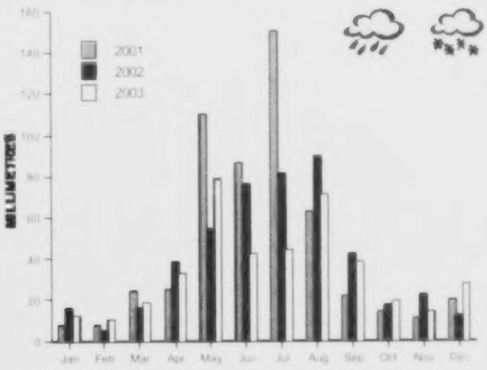
* Degree-days: the difference between the average temperature for a day and some reference temperature, such as 5°C and 18°C.

SOURCE: Atmospheric Environment Service, Environment Canada.

TABLE73: Precipitation at Various Manitoba Points, 2003

millimetres	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	YEAR
Altona	19.0	19.0	26.0	40.0	117.5	128.0	41.0	52.0	38.0	25.0	16.0	22.0	543.5
Beausejour	14.0	10.0	16.2	35.0	64.8	84.7	31.0	81.6	96.8	25.0	12.6	40.2	511.9
Binscarth	3.0	16.0	12.0	90.2	35.0	76.2	38.4	21.8	21.8	19.2	9.6	33.4	376.6
Brandon A	17.2	11.2	9.2	42.4	48.0	64.4	6.4	17.0	56.6	19.4	13.0	29.6	334.4
Carman	8.0	8.0	8.0	47.0	99.4	107.8	51.2	77.2	57.0	24.2	10.0	28.0	525.8
Churchill	17.0	21.5	12.0	14.0	7.5	83.5	74.5	59.0	84.5	57.5	77.0	37.0	545.0
Cypress River	13.8	13.0	2.8	38.2	73.4	70.0	32.2	46.8	105.2	29.8	15.8	42.6	483.6
Dauphin	9.0	14.0	10.0	16.0	27.5	75.0	52.5	66.5	50.0	26.5	13.0	16.0	376.0
Ethelbert	3.0	15.6	4.0	31.8	29.6	92.6	79.2	38.8	41.0	21.6	9.0	24.0	390.2
Fisher Branch	15.0	15.0	30.2	8.4	25.2	78.7	37.5	47.9	99.4	30.4	11.0	47.5	446.2
Flin Flon A	7.4	11.4	13.0	19.4	25.8	122.0	73.0	26.0	85.0	40.4	11.8	1.0	436.2
Gimli	9.0	6.3	19.5	20.0	32.3	102.7	56.2	66.8	61.6	9.4	7.0	23.0	413.8
Melita	15.7	8.8	12.7	24.1	27.0	54.4	12.2	8.8	29.2	17.7	7.4	17.9	235.9
Morden AAFC	7.9	11.1	12.7	19.3	75.8	96.6	22.6	41.4	28.4	20.6	13.7	41.5	391.6
Morris	10.9	13.6	14.4	35.6	100.8	107.8	30.4	73.0	47.0	26.6	9.4	23.4	492.9
Narcisse	12.4	8.6	7.8	16.6	37.4	95.2	37.2	69.2	62.6	16.8	6.8	25.4	396.0
Neepawa Water	9.7	6.9	12.0	92.8	30.0	69.5	14.3	32.6	71.6	17.0	13.3	24.7	394.4
Ochre River	3.5	20.6	9.6	25.0	44.5	140.8	61.8	71.3	85.1	23.5	15.0	20.0	520.7
Pierson	24.2	11.0	9.6	23.0	51.4	69.8	23.0	53.0	41.0	21.8	9.2	17.2	354.2
Pilot Mound	11.0	10.8	9.4	21.4	95.6	109.4	33.6	38.8	87.6	18.0	9.8	22.0	467.4
Pine River	12.0	34.8	14.2	33.4	42.4	52.2	112.0	84.4	47.2	25.0	15.6	42.4	515.6
Piney	7.0	13.0	14.0	55.0	73.5	70.6	42.2	76.2	86.5	34.2	14.0	27.0	513.2
Portage la Praine AAFC	8.0	19.0	16.0	37.1	58.2	98.6	30.0	50.2	87.8	25.8	14.0	42.0	486.7
Riding Mountain	14.9	16.8	12.4	59.3	44.0	127.8	77.2	23.6	73.2	23.4	12.4	16.5	501.5
Roblin	11.6	29.8	18.3	63.8	38.5	65.7	62.5	36.0	34.6	42.1	17.3	33.0	452.9
Souris	14.0	23.0	12.0	35.7	33.0	72.8	10.0	8.4	52.2	22.2	11.0	48.0	342.3
Sprague	8.9	14.9	20.0	24.8	80.6	77.0	79.8	71.4	138.2	39.8	9.8	37.3	602.5
Steinbach	13.3	14.1	11.3	49.9	93.2	106.2	16.1	81.4	87.8	25.2	10.1	24.1	532.7
Strathclair	17.4	14.5	9.0	45.8	42.8	59.4	40.0	33.0	36.9	30.5	12.8	31.2	373.3
Swan River	11.4	23.5	12.2	14.4	32.2	9.4	56.6	51.6	48.4	20.4	5.6	17.0	302.7
The Pas A	6.6	11.0	12.6	16.6	21.4	84.6	86.2	30.4	129.0	34.2	6.8	1.1	440.5
Thompson A	12.7	9.4	25.0	9.4	18.2	46.0	88.4	57.0	53.2	18.8	18.7	11.1	367.9
Turtle Mountain	24.0	21.0	11.2	25.2	53.2	93.4	25.0	18.4	79.4	25.0	14.0	43.0	432.8
Virden	18.6	14.0	5.0	51.2	44.0	66.2	20.3	20.4	29.6	21.8	8.0	27.0	326.1
Winnipeg A	12.5	10.5	18.5	33.0	78.5	42.5	44.5	72.0	38.5	18.5	13.5	28.0	410.5
Winnipegosis	7.0	35.0	20.4	M	40.8	93.4	120.9	33.6	91.6	21.2	12.0	28.0	M

CHART 21: Winnipeg Monthly Precipitation, 2001 – 2003



SOURCE: Atmospheric Environment Service, Environment Canada

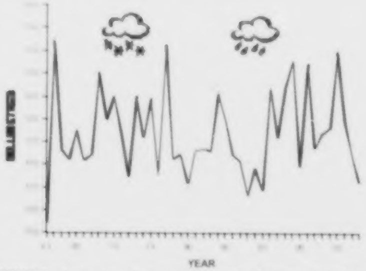
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

TABLE 73: Precipitation Continued

inches	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	YEAR
Altona	0.748	0.748	1.024	1.575	4.626	5.039	1.614	2.047	1.496	0.984	0.630	0.866	21.398
Beausejour	0.551	0.394	0.638	1.378	2.551	3.335	1.220	3.213	3.811	0.984	0.496	1.583	20.154
Binscarth	0.118	0.630	0.472	3.551	1.378	3.000	1.512	0.858	0.858	0.756	0.378	1.315	14.827
Brandon A	0.677	0.441	0.362	1.669	1.890	2.535	0.252	0.669	2.228	0.764	0.512	1.165	13.165
Carman	0.315	0.315	0.315	1.850	3.913	4.244	2.016	3.039	2.244	0.953	0.394	1.102	20.701
Churchill	0.669	0.846	0.472	0.551	0.295	3.287	2.933	2.323	3.327	2.264	3.031	1.457	21.457
Cypress River	0.543	0.512	0.110	1.504	2.890	2.756	1.268	1.843	4.142	1.173	0.622	1.677	19.039
Dauphin	0.354	0.551	0.394	0.630	1.083	2.953	2.067	2.618	1.969	1.043	0.512	0.630	14.803
Ethelbert	0.118	0.614	0.157	1.252	1.165	3.646	3.118	1.528	1.614	0.850	0.354	0.945	15.362
Fisher Branch	0.591	0.591	1.189	0.331	0.992	3.098	1.476	1.886	3.913	1.197	0.433	1.870	17.567
Flin Flon A	0.291	0.449	0.512	0.764	1.016	4.803	2.874	1.024	3.346	1.591	0.465	0.039	17.173
Gimli	0.354	0.248	0.768	0.787	1.272	4.043	2.213	2.630	2.425	0.370	0.276	0.906	16.291
Melita	0.618	0.346	0.500	0.949	1.063	2.142	0.480	0.346	1.150	0.697	0.291	0.705	9.287
Morden AAFC	0.311	0.437	0.500	0.760	2.984	3.803	0.890	1.630	1.118	0.811	0.539	1.634	15.417
Morris	0.429	0.535	0.567	1.402	3.968	4.244	1.197	2.874	1.850	1.047	0.370	0.921	19.405
Narcisse	0.488	0.339	0.307	0.654	1.472	3.748	1.465	2.724	2.465	0.661	0.268	1.000	15.591
Neepawa Water	0.382	0.272	0.472	3.654	1.181	2.736	0.563	1.283	2.819	0.669	0.524	0.972	15.528
Ochre River	0.138	0.811	0.378	0.984	1.752	5.543	2.433	2.807	3.350	0.925	0.591	0.787	20.500
Pierson	0.953	0.433	0.378	0.906	2.024	2.748	0.906	2.087	1.614	0.858	0.362	0.677	13.945
Pilot Mound	0.433	0.425	0.370	0.843	3.764	4.307	1.323	1.528	3.449	0.709	0.386	0.866	18.402
Pine River	0.472	1.370	0.559	1.315	1.669	2.055	4.409	3.323	1.858	0.984	0.614	1.669	20.299
Piney	0.276	0.512	0.551	2.165	2.894	2.780	1.661	3.000	3.406	1.346	0.551	1.063	20.205
Portage la Prairie AAFC	0.315	0.748	0.630	1.461	2.291	3.882	1.181	1.976	3.457	1.016	0.551	1.654	19.161
Riding Mountain	0.587	0.661	0.488	2.335	1.732	5.031	3.039	0.929	2.882	0.921	0.488	0.650	19.744
Roblin	0.457	1.173	0.719	2.510	1.516	2.585	2.459	1.415	1.360	1.657	0.681	1.299	17.831
Souris	0.551	0.906	0.472	1.406	1.299	2.866	0.394	0.331	2.055	0.874	0.433	1.890	13.476
Sprague	0.350	0.587	0.787	0.976	3.173	3.031	3.142	2.811	5.441	1.567	0.386	1.469	23.720
Steinbach	0.524	0.555	0.445	1.965	3.669	4.181	0.634	3.205	3.457	0.992	0.398	0.949	20.972
Strathclair	0.685	0.571	0.354	1.803	1.685	2.339	1.575	1.299	1.453	1.201	0.504	1.228	14.697
Swan River	0.449	0.925	0.480	0.567	1.268	0.370	2.228	2.031	1.906	0.803	0.220	0.669	11.917
The Pas A	0.260	0.433	0.496	0.654	0.843	3.331	3.394	1.197	5.079	1.346	0.268	0.043	17.342
Thompson A	0.500	0.370	0.984	0.370	0.717	1.811	3.480	2.244	2.094	0.740	0.736	0.437	14.484
Turtle Mountain	0.945	0.827	0.441	0.992	2.094	3.677	0.984	0.724	3.126	0.984	0.551	1.693	17.039
Virden	0.732	0.551	0.197	2.016	1.732	2.606	0.799	0.803	1.165	0.858	0.315	1.063	12.839
Winnipeg A	0.492	0.413	0.728	1.299	3.091	1.673	1.752	2.835	1.516	0.728	0.531	1.102	16.161
Winnipegosis	0.276	1.378	0.803	M	1.606	3.677	4.760	1.323	3.606	0.835	0.472	1.102	M

NOTE: Totals may not add due to conversion to Imperial from metric data. NR: No report.
SOURCE: Environment Canada

CHART 22: Average Annual Precipitation, Winnipeg, 1961 – 2003



SOURCE: Atmospheric Environment Service, Environment Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

PAST TRENDS

TABLE 74: Historical Production Value Summary

Year	Crops	Livestock	Other Products*	TOTAL
	thousand dollars			
1960	255,123	121,566	4,258	350,947
1961	137,309	132,524	3,970	273,803
1962	292,730	126,140	4,009	422,879
1963	243,090	135,424	4,328	382,842
1964	296,753	134,331	4,201	435,285
1965	319,946	142,509	5,447	467,902
1966	323,157	165,343	4,782	493,282
1967	308,939	162,397	5,819	477,155
1968	292,409	162,651	4,961	460,021
1969	250,051	208,522	4,715	463,288
1970	226,846	221,669	3,783	452,298
1971	331,889	205,657	3,523	541,069
1972	437,548	253,149	5,035	695,732
1973	919,412	354,940	7,098	1,281,450
1974	708,779	338,782	7,019	1,054,580
1975	768,753	325,386	7,607	1,101,746
1976	748,093	341,285	10,059	1,099,437
1977	855,581	337,027	15,580	1,208,188
1978	1,085,132	420,542	17,604	1,523,278
1979	1,097,838	536,209	23,069	1,657,116
1980	1,089,223	533,607	24,842	1,647,672
1981	1,497,930	522,741	25,089	2,045,760
1982	1,415,760	561,492	24,930	2,002,182
1983	1,385,692	574,847	23,655	1,984,194
1984	1,613,331	652,797	25,951	2,292,079
1985	1,694,334	676,284	30,543	2,401,161
1986	1,252,285	773,738	31,645	2,057,668
1987	1,143,317	748,669	33,899	1,925,885
1988	1,126,474	759,743	28,755	1,914,972
1989	1,340,946	706,987	28,290	2,076,223
1990	1,394,205	828,420	30,230	2,252,855
1991^R	1,248,952	817,443	34,590	2,100,985
1992^R	1,513,882	804,788	43,054	2,361,724
1993^R	1,225,426	893,435	57,364	2,176,225
1994^R	1,844,618	947,162	60,490	2,852,270
1995^R	1,988,132	977,406	66,515	3,032,053
1996^R	2,125,128	1,104,720	69,460	3,299,308
1997^R	1,858,246	1,158,407	68,123	3,084,776
1998^R	2,007,910	1,156,115	64,737	3,228,762
1999^R	1,548,850	1,278,790	66,096	2,893,736
2000^R	1,753,660	1,561,100	61,683	3,376,443
2001^R	1,834,620	1,790,340	70,849	3,695,809
2002^R	2,203,656	1,652,096	91,154	3,946,906
2003	2,335,682	1,699,674	100,397	4,135,753

* Includes value of honey and beeswax, leafcutting bees commencing 1983, fur and forest products, and PMU operations commencing 1967.

SOURCE: Statistics Canada; Agriculture and Agri-Food Canada; Ayerst Organics; and Manitoba Agriculture, Food and Rural Initiatives.

TABLE 75: Historical Production Value Summary of All Crops

Year	Total Grains	Total Oilseeds	Total Other Crops	Total Horticulture	Forage Seeds	TOTAL CROPS
	thousand dollars					
1960	165,773	19,568	27,048	11,648	1,086	225,123
1961	88,108	15,799	21,256	10,892	1,254	137,309
1962	216,072	25,260	36,974	12,319	2,105	292,730
1963	159,744	29,952	39,001	12,890	1,503	243,090
1964	210,006	36,499	32,357	16,632	1,259	296,753
1965	214,398	51,042	36,406	15,938	2,162	319,946
1966	228,706	35,175	43,537	13,977	1,762	323,157
1967	231,832	23,556	36,632	15,681	1,238	308,939
1968	202,241	34,308	40,399	14,890	571	292,409
1969	152,852	36,484	42,226	16,965	1,524	250,051
1970	120,471	45,484	42,817	16,373	1,701	226,846
1971	219,245	45,753	47,318	17,889	1,684	331,889
1972	301,922	61,180	54,124	18,780	1,542	437,548
1973	676,363	126,298	90,937	20,615	5,199	919,412
1974	436,682	126,922	113,049	29,501	2,625	708,779
1975	487,358	125,495	118,941	34,928	2,031	768,753
1976	511,386	77,000	124,358	32,299	3,050	748,093
1977	506,481	169,015	137,820	38,437	3,828	855,581
1978	599,060	274,990	158,761	44,833	7,488	1,085,132
1979	552,606	326,525	166,169	44,226	8,312	1,097,838
1980	683,735	188,230	153,740	58,616	4,902	1,089,223
1981	988,990	213,130	226,428	62,701	6,681	1,497,930
1982	925,830	227,680	198,089	59,136	5,025	1,415,760
1983	885,180	260,140	177,374	55,627	7,371	1,385,692
1984	989,730	358,680	187,993	71,365	5,563	1,613,331
1985	1,083,750	328,710	202,064	73,648	6,162	1,694,334
1986	692,150	213,100	264,949	73,902	8,184	1,252,285
1987	589,810	227,600	220,655	91,159	14,093	1,143,317
1988	612,560	263,220	165,462	71,437	13,795	1,126,474
1989	860,200	190,440	203,287	75,764	11,255	1,340,946
1990	848,380	219,850	235,952	81,813	8,210	1,394,205
1991^R	689,080	267,720	198,770	88,574	4,800	1,248,952
1992^R	902,850	321,120	190,387	99,079	3,284	1,513,882
1993^R	537,180	343,090	244,381	98,578	2,431	1,225,426
1994^R	809,600	645,860	258,360	123,630	6,248	1,844,618
1995^R	1,034,150	587,025	224,077	133,070	8,310	1,988,132
1996^R	1,141,630	542,960	262,237	166,898	13,511	2,125,128
1997^R	793,130	710,320	173,380	178,837	14,909	1,858,246
1998^R	770,120	763,360	261,370	190,720	17,720	2,007,910
1999^R	583,230	473,810	268,720	185,580	17,910	1,548,850
2000^R	805,650	439,460	277,870	211,500	19,180	1,753,660
2001^R	796,380	458,720	366,660	199,400	13,460	1,834,620
2002^R	923,540	712,490	332,766	214,930	19,930	2,203,656
2003	989,650	788,790	292,734	244,578*	19,930**	2,335,682

* Incomplete data, total includes previous year's values for missing data (see Table 36).

** Assumes no change from previous year's value for 2003

SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives

TABLE 76: Historical Production Value Summary of Grains

Year	All Wheat	Oats	Barley	All Rye	Mixed Grains*	Grain Corn	TOTAL GRAINS
	thousand dollars						
1960	106,260	34,720	20,160	1,444	2,996	193	165,773
1961	59,840	15,120	9,450	957	2,600	141	88,108
1962	136,000	52,510	20,160	3,150	4,100	152	216,072
1963	104,310	34,100	15,520	2,625	2,964	225	159,744
1964	138,550	47,450	16,800	2,940	4,116	150	210,006
1965	130,350	52,540	23,100	3,120	5,100	188	214,398
1966	140,620	48,000	30,800	2,592	6,503	191	228,706
1967	147,600	45,540	29,370	2,880	6,030	412	231,832
1968	119,210	40,500	33,970	2,500	5,929	132	202,241
1969	79,360	37,260	28,980	2,573	4,544	135	152,852
1970	43,310	30,210	37,740	2,469	6,532	210	120,471
1971	101,380	40,280	65,800	2,460	8,775	550	219,245
1972	128,340	49,500	107,100	2,397	13,500	1,085	301,922
1973	331,100	102,690	208,330	5,684	25,875	2,684	676,363
1974	236,000	65,360	117,600	5,625	11,400	697	436,682
1975	275,340	72,000	116,280	7,500	13,950	2,288	487,358
1976	288,400	68,930	134,000	5,750	10,833	3,473	511,386
1977	269,670	57,420	155,100	7,190	13,040	4,061	506,481
1978	375,440	40,590	143,650	10,220	12,920	16,240	599,060
1979	346,500	27,400	129,920	11,590	12,626	24,570	552,606
1980	386,400	33,120	214,560	12,760	11,395	25,500	683,735
1981	578,720	48,620	277,300	25,910	12,670	45,770	988,990
1982	610,660	42,400	215,940	18,540	11,620	26,670	925,830
1983	593,340	44,110	190,680	17,440	11,270	28,340	885,180
1984	643,680	47,090	234,500	18,210	13,210	33,040	989,730
1985	757,770	45,450	250,070	11,040	10,300	9,120	1,083,750
1986	499,330	36,860	144,350	3,500	2,500	5,610	692,150
1987	390,700	44,910	137,580	3,930	2,640	10,050	589,810
1988	412,000	35,390	142,130	5,870	1,970	15,200	612,560
1989	621,660	28,710	177,790	15,450	2,650	13,940	860,200
1990	641,400	22,730	154,840	9,130	2,120	18,160	848,380
1991	526,050	18,670	114,730	4,360	2,600	22,670	689,080
1992	705,050	54,440	132,680	5,220	2,180	3,280	902,850
1993	379,660	47,810	99,280	3,670	2,630	4,130	537,180
1994	591,460	64,990	128,830	3,770	3,150	17,400	809,600
1995	697,690	91,190	216,480	6,980	5,080	16,730	1,034,150
1996	713,370	144,730	249,200	10,030	4,200	20,330	1,141,860
1997^{R}	487,150	91,950	182,080	9,590	2,700	19,660	793,130
1998^{R}	465,950	114,350	153,440	10,720	1,050	24,610	770,120
1999^{R}	378,590	77,750	106,540	5,080	910	24,360	593,230
2000^{R}	502,970	93,500	174,530	3,890	1,700	29,060	805,650
2001^{R}	479,090	123,420	159,720	3,850	1,780	28,520	796,380
2002^{R}	507,060	171,010	180,680	6,240	2,940	55,610	923,540
2003	618,490	139,070	162,030	6,570	960	62,530	989,650

* Methodology changed 1986 - see Mixed Grains.

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 77: Historical Production and Value of Wheat

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	1,133	1,585	1,796	59	106,260
1961	1,179	785	926	65	59,840
1962	1,231	1,770	2,177	62	136,000
1963	1,276	1,300	1,660	63	104,310
1964	1,370	1,690	2,313	60	138,550
1965	1,311	1,640	2,150	61	130,350
1966	1,317	1,630	2,150	65	140,620
1967	1,424	1,720	2,449	60	147,600
1968	1,376	1,800	2,477	48	119,210
1969	1,012	1,720	1,742	46	79,360
1970	567	1,465	830	52	43,310
1971	1,019	1,975	2,014	50	101,380
1972	1,052	1,785	1,878	68	128,340
1973	1,214	1,725	2,095	158	331,100
1974	1,133	1,415	1,605	147	236,000
1975	1,255	1,690	2,123	130	275,340
1976	1,538	1,820	2,803	103	288,400
1977	1,295	2,125	2,749	98	269,670
1978	1,376	2,055	2,831	133	375,440
1979	1,214	1,680	2,041	170	346,500
1980	1,336	1,425	1,905	203	386,400
1981	1,578	2,110	3,326	174	578,720
1982	1,619	2,290	3,701	165	610,660
1983	1,861	1,830	3,410	174	593,340
1984	1,801	2,080	3,742	172	643,680
1985	1,942	2,690	5,226	145	757,770
1986	1,995	2,235	4,458	112	499,330
1987	1,963	2,010	3,947	99	390,700
1988	1,934	1,230	2,382	173	412,000
1989	2,135	1,950	4,172	149	621,660
1990	2,205	2,670	5,884	109	641,400
1991	2,173	2,200	4,806	109	526,050
1992	2,084	2,800	5,808	121	705,050
1993	1,983	1,800	3,637	104	379,660
1994	1,657	2,200	3,697	160	591,460
1995	1,615	2,100	3,405	205	697,690
1996	1,700	2,600	4,377	163	713,370
1997^R	1,570	2,100	3,350	145	487,150
1998^R	1,307	2,500	3,220	145	465,950
1999^R	1,273	2,500	3,158	120	378,590
2000^R	1,572	2,700	4,266	118	502,970
2001^R	1,582	2,200	3,431	140	479,090
2002^R	1,376	2,400	3,355	151	507,060
2003	1,406	3,000	4,163	149	618,490

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 77: Wheat Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	2,800	23.6	66,000	1.61	106,260
1961	2,914	11.7	34,000	1.76	59,840
1962	3,042	26.3	80,000	1.70	136,000
1963	3,153	19.3	61,000	1.71	104,310
1964	3,385	25.1	85,000	1.63	138,550
1965	3,240	24.4	79,000	1.65	130,350
1966	3,255	24.3	79,000	1.78	140,620
1967	3,520	25.6	90,000	1.64	147,600
1968	3,400	26.8	91,000	1.31	119,210
1969	2,500	25.6	64,000	1.24	79,360
1970	1,400	21.8	30,500	1.42	43,310
1971	2,519	29.4	74,000	1.37	101,380
1972	2,600	26.5	69,000	1.86	128,340
1973	3,000	25.7	77,000	4.30	331,100
1974	2,800	21.1	59,000	4.00	236,000
1975	3,100	25.2	78,000	3.53	275,340
1976	3,800	27.1	103,000	2.80	288,400
1977	3,200	31.6	101,000	2.67	269,670
1978	3,400	30.6	104,000	3.61	375,440
1979	3,000	25.0	75,000	4.62	346,500
1980	3,300	21.2	70,000	5.52	386,400
1981	3,900	31.3	122,200	4.75	578,720
1982	4,000	34.0	136,000	4.48	610,660
1983	4,600	27.2	125,300	4.74	593,340
1984	4,450	30.9	137,500	4.68	643,680
1985	4,800	40.0	192,000	3.95	757,770
1986	4,930	33.2	163,800	3.05	499,330
1987	4,850	29.9	145,000	2.69	390,700
1988	4,780	18.3	87,500	4.71	412,000
1989	5,275	29.1	153,300	4.06	621,660
1990	5,450	39.7	216,200	2.97	641,400
1991	5,370	32.9	176,600	3.00	526,050
1992	5,150	41.4	213,400	3.30	705,050
1993	4,900	27.3	133,650	2.85	379,660
1994	4,095	33.2	135,830	4.35	591,460
1995	3,990	31.4	125,100	5.60	697,690
1996	4,200	38.3	160,800	4.44	713,370
1997^R	3,880	31.7	123,100	3.96	487,150
1998^R	3,230	36.6	118,300	3.94	465,950
1999^R	3,145	36.9	116,050	3.26	378,590
2000^R	3,885	40.3	156,750	3.21	502,970
2001^R	3,910	32.2	126,050	3.80	479,090
2002^R	3,400	36.3	123,280	4.11	507,060
2003	3,475	44.0	152,950	4.04	618,490

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 78: Historical Production and Value of Oats

Year	Harvested For Grain Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	607	1,425	864	40	34,720
1961	526	705	370	41	15,120
1962	726	1,890	1,373	38	52,510
1963	656	1,455	956	36	34,100
1964	662	1,700	1,126	42	47,450
1965	617	1,850	1,141	46	52,540
1966	619	1,595	987	49	48,000
1967	647	1,575	1,018	45	45,540
1968	639	1,955	1,249	32	40,500
1969	619	1,720	1,064	35	37,260
1970	510	1,600	817	37	30,210
1971	565	2,075	1,172	34	40,280
1972	461	1,840	848	58	49,500
1973	526	1,850	972	106	102,690
1974	486	1,365	633	99	65,360
1975	445	1,735	771	93	72,000
1976	506	1,860	941	73	68,930
1977	425	2,105	894	64	57,420
1978	304	2,080	632	64	40,590
1979	182	1,690	308	89	27,400
1980	182	1,525	278	119	33,120
1981	243	1,910	463	105	48,620
1982	223	2,350	524	81	42,400
1983	223	1,800	401	110	44,110
1984	223	1,940	432	109	47,090
1985	194	2,550	494	92	45,450
1986	178	2,555	455	81	36,860
1987	190	2,270	432	104	44,910
1988	168	1,378	231	153	35,390
1989	194	1,699	330	87	28,710
1990	146	2,329	339	67	22,730
1991	109	2,000	222	84	18,670
1992	194	2,900	555	98	54,440
1993	202	2,400	494	97	47,810
1994	263	2,500	663	98	64,990
1995	263	2,400	625	146	91,190
1996	389	2,700	1,056	137	144,730
1997	283	2,600	736	125	91,950
1998^R	364	2,800	1,030	111	114,350
1999^R	295	2,900	854	91	77,750
2000^R	348	2,900	1,016	92	93,500
2001^R	324	2,300	748	165	123,420
2002^R	405	2,500	1,018	168	171,010
2003	364	3,000	1,095	127	139,070

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE78: Oats Continued

Year	Harvested For Grain Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	1,500	37.3	56,000	0.62	34,720
1961	1,300	18.5	24,000	0.63	15,120
1962	1,794	49.6	89,000	0.59	52,510
1963	1,620	38.3	62,000	0.55	34,100
1964	1,635	44.6	73,000	0.65	47,450
1965	1,525	48.5	74,000	0.71	52,540
1966	1,530	41.8	64,000	0.75	48,000
1967	1,600	41.2	66,000	0.69	45,540
1968	1,580	51.3	81,000	0.50	40,500
1969	1,530	45.1	69,000	0.54	37,260
1970	1,260	42.1	53,000	0.57	30,210
1971	1,395	54.5	76,000	0.53	40,280
1972	1,140	48.2	55,000	0.90	49,500
1973	1,300	48.5	63,000	1.63	102,690
1974	1,200	35.8	43,000	1.52	65,360
1975	1,100	45.5	50,000	1.44	72,000
1976	1,250	48.8	61,000	1.13	68,930
1977	1,050	55.2	58,000	0.99	57,420
1978	750	54.7	41,000	0.99	40,590
1979	450	44.4	20,000	1.37	27,400
1980	450	40.0	18,000	1.84	33,120
1981	600	50.0	30,000	1.62	48,620
1982	550	61.8	34,000	1.25	42,400
1983	550	47.3	26,000	1.70	44,110
1984	550	50.9	28,000	1.68	47,090
1985	480	66.7	32,000	1.43	45,450
1986	440	67.0	29,500	1.25	36,860
1987	470	59.6	28,000	1.61	44,910
1988	415	36.1	15,000	2.33	35,390
1989	480	44.6	21,400	1.34	28,710
1990	360	61.1	22,000	1.03	22,730
1991	270	53.3	14,400	1.30	18,670
1992	480	75.0	36,000	1.50	54,440
1993	500	64.0	32,000	1.50	47,810
1994	650	66.2	43,000	1.50	64,990
1995	650	62.3	40,500	2.25	91,190
1996^R	960	71.4	68,500	2.10	144,730
1997^R	700	68.1	47,700	1.95	91,950
1998^R	900	74.2	66,800	1.70	114,350
1999^R	730	75.9	55,400	1.40	77,750
2000^R	860	76.6	65,900	1.40	93,500
2001^R	800	60.6	48,500	2.55	123,420
2002^R	1,000	66.0	66,000	2.60	171,010
2003	900	78.9	71,000	1.95	139,070

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 79: Historical Production and Value of Barley

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	376	1,390	523	39	20,160
1961	265	740	196	48	9,450
1962	255	1,790	457	44	20,160
1963	236	1,475	348	45	15,520
1964	201	1,730	348	48	16,800
1965	243	1,970	479	48	23,100
1966	354	1,725	610	50	30,800
1967	393	1,825	718	41	29,370
1968	473	1,980	936	36	33,970
1969	486	1,880	914	32	28,980
1970	607	1,830	1,110	34	37,740
1971	830	2,465	2,047	32	65,800
1972	850	2,180	1,851	58	107,100
1973	850	2,125	1,807	115	208,330
1974	728	1,585	1,154	102	117,600
1975	607	1,830	1,110	105	116,280
1976	647	2,255	1,459	92	134,000
1977	769	2,660	2,047	76	155,100
1978	708	2,615	1,851	78	143,650
1979	587	2,150	1,263	103	129,920
1980	809	1,940	1,568	137	214,560
1981	951	2,450	2,330	119	277,300
1982	809	2,930	2,373	91	215,940
1983	708	2,240	1,589	120	190,680
1984	728	2,660	1,938	121	234,500
1985	749	3,370	2,526	99	250,070
1986	627	2,950	1,851	78	144,350
1987	688	2,816	1,938	71	137,580
1988	575	1,932	1,110	128	142,130
1989	647	2,390	1,546	115	177,790
1990	607	3,228	1,960	79	154,840
1991	506	2,800	1,426	80	114,730
1992	425	3,700	1,568	85	132,680
1993	445	2,800	1,241	80	99,280
1994	425	3,100	1,328	97	128,830
1995	465	2,900	1,328	163	216,480
1996	627	3,400	2,112	118	249,200
1997^R	546	3,100	1,685	108	182,080
1998^R	502	3,200	1,631	94	153,440
1999^R	405	3,000	1,215	88	106,540
2000^R	482	3,400	1,622	108	174,530
2001^R	445	2,800	1,234	129	159,720
2002^R	405	2,900	1,176	154	180,680
2003	405	3,400	1,372	118	162,030

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 79: Barley Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	930	26.1	24,000	0.84	20,160
1961	655	13.7	9,000	1.05	9,450
1962	629	33.4	21,000	0.96	20,160
1963	584	27.4	16,000	0.97	15,520
1964	497	32.2	16,000	1.05	16,800
1965	601	36.6	22,000	1.05	23,100
1966	875	32.0	28,000	1.10	30,800
1967	970	34.0	33,000	0.89	29,370
1968	1,170	36.8	43,000	0.79	33,970
1969	1,200	35.0	42,000	0.69	28,980
1970	1,500	34.0	51,000	0.74	37,740
1971	2,052	45.8	94,000	0.70	65,800
1972	2,100	40.5	85,000	1.26	107,100
1973	2,100	39.5	83,000	2.51	208,330
1974	1,800	29.4	53,000	2.22	117,600
1975	1,500	34.0	51,000	2.28	116,280
1976	1,600	41.9	67,000	2.00	134,000
1977	1,900	49.5	94,000	1.65	155,100
1978	1,750	48.6	85,000	1.69	143,650
1979	1,450	40.0	58,000	2.24	129,920
1980	2,000	36.0	72,000	2.98	214,560
1981	2,350	45.5	107,000	2.59	277,300
1982	2,000	54.5	109,000	1.98	215,940
1983	1,750	41.7	73,000	2.61	190,680
1984	1,800	49.4	89,000	2.63	234,500
1985	1,850	62.7	116,000	2.10	250,070
1986	1,550	54.8	85,000	1.70	144,350
1987	1,700	52.4	89,000	1.55	137,580
1988	1,420	35.9	51,000	2.80	142,130
1989	1,600	44.4	71,000	2.50	177,790
1990	1,500	60.0	90,000	1.72	154,840
1991	1,250	52.4	65,500	1.75	114,730
1992	1,050	68.6	72,000	1.85	132,680
1993	1,100	51.8	57,000	1.75	99,280
1994	1,050	58.1	61,000	2.11	128,830
1995	1,150	53.0	61,000	3.55	216,480
1996	1,550	62.6	97,000	2.57	249,200
1997^R	1,350	57.3	77,400	2.35	182,080
1998^R	1,240	60.4	74,900	2.05	153,440
1999^R	1,000	55.8	55,800	1.90	106,540
2000^R	1,190	62.6	74,500	2.35	174,530
2001^R	1,100	51.5	56,700	2.80	159,720
2002^R	1,000	54.0	54,000	3.35	180,680
2003	1,000	63.0	63,000	2.57	162,030

SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 80: Historical Production and Value of All Rye

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	33.8	1,240	41.9	34	1,444
1961	31.8	705	22.4	43	957
1962	48.2	1,585	76.5	41	3,150
1963	38.2	1,395	53.3	49	2,625
1964	54.2	1,315	71.3	41	2,940
1965	54.2	1,410	76.5	41	3,120
1966	40.2	1,525	61.4	42	2,592
1967	57.4	1,175	67.4	43	2,880
1968	48.4	1,310	63.5	39	2,500
1969	66.2	1,140	75.5	34	2,573
1970	52.8	1,365	72.0	34	2,469
1971	51.6	1,625	83.8	29	2,460
1972	32.6	1,435	46.8	51	2,397
1973	32.8	1,650	54.1	105	5,684
1974	40.8	1,545	63.0	89	5,625
1975	47.8	1,590	76.0	99	7,500
1976	36.8	1,855	68.3	84	5,750
1977	44.8	1,880	84.3	86	7,190
1978	50.8	1,955	99.4	103	10,220
1979	50.4	1,580	79.6	145	11,590
1980	60.8	1,235	75.0	171	12,760
1981	76.4	2,290	175.1	148	25,910
1982	92.8	2,300	213.1	87	18,540
1983	85.0	1,920	163.0	107	17,440
1984	88.6	2,210	195.8	93	18,210
1985	78.2	2,140	167.3	66	11,040
1986	29.1	1,973	57.4	61	3,500
1987	26.3	1,738	45.7	86	3,930
1988	44.5	1,256	55.9	105	5,870
1989	93.1	2,128	198.1	78	15,450
1990	72.8	2,163	157.5	58	9,130
1991	32.0	1,900	61.0	71	4,360
1992	30.4	2,200	66.0	79	5,220
1993	26.3	1,600	43.2	85	3,670
1994	18.2	2,100	38.1	99	3,770
1995	28.3	1,900	53.3	131	6,980
1996	30.4	2,200	66.0	152	10,030
1997^{R}	34.4	1,800	62.2	154	9,590
1998^{R}	52.6	2,200	116.8	92	10,720
1999^{R}	32.4	2,400	76.2	67	5,080
2000^{R}	22.3	2,500	55.9	70	3,890
2001^{R}	18.2	2,100	37.7	102	3,850
2002^{R}	18.2	2,100	38.1	164	6,240
2003	20.2	2,500	50.8	129	6,570

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 80: All Rye Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	83.0	20.0	1,660	0.87	1,444
1961	79.5	11.1	886	1.08	957
1962	119.0	25.2	3,000	1.05	3,150
1963	95.0	22.1	2,100	1.25	2,625
1964	133.0	21.1	2,800	1.05	2,940
1965	133.0	22.6	3,000	1.04	3,120
1966	100.5	23.9	2,400	1.08	2,592
1967	141.1	18.9	2,667	1.08	2,880
1968	120.0	20.8	2,500	1.00	2,500
1969	163.0	18.1	2,958	0.87	2,573
1970	130.0	21.8	2,838	0.87	2,469
1971	128.5	25.5	3,280	0.75	2,460
1972	81.5	22.5	1,830	1.31	2,397
1973	82.0	26.2	2,145	2.65	5,684
1974	102.0	24.5	2,500	2.25	5,625
1975	117.0	25.6	3,000	2.50	7,500
1976	92.0	29.3	2,700	2.13	5,750
1977	110.0	30.0	3,300	2.18	7,190
1978	125.0	31.2	3,900	2.62	10,220
1979	125.0	25.2	3,150	3.68	11,590
1980	150.0	19.6	2,940	4.34	12,760
1981	190.0	36.3	6,900	3.76	25,910
1982	230.0	36.5	8,400	2.21	18,540
1983	210.0	30.6	6,420	2.72	17,440
1984	220.0	35.0	7,710	2.36	18,210
1985	200.0	33.8	6,590	1.68	11,040
1986	72.0	31.4	2,260	1.55	3,500
1987	65.0	27.7	1,800	2.18	3,930
1988	110.0	20.0	2,200	2.67	5,870
1989	230.0	33.9	7,800	1.98	15,450
1990	180.0	34.4	6,200	1.47	9,130
1991	79.0	30.4	2,400	1.80	4,360
1992	75.0	34.7	2,600	2.00	5,220
1993	65.0	26.2	1,700	2.15	3,670
1994	45.0	33.3	1,500	2.50	3,770
1995	70.0	30.0	2,100	3.30	6,980
1996^{R}	75.0	34.7	2,600	3.85	10,030
1997^{R}	85.0	28.8	2,450	3.90	9,590
1998^{R}	130.0	35.4	4,600	2.35	10,720
1999^{R}	80.0	37.5	3,000	1.70	5,080
2000^{R}	55.0	40.0	2,200	1.80	3,890
2001^{R}	45.0	33.0	1,485	2.60	3,850
2002^{R}	45.0	33.3	1,500	4.15	6,240
2003	50.0	40.0	2,000	3.30	6,570

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 81: Historical Production and Value of Mixed Grains

Year	Harvested Hectares*	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	51.0	1,600	81.5	37	2,996
1961	63.5	920	58.3	45	2,600
1962	50.2	2,035	102.1	40	4,100
1963	51.0	1,560	79.6	37	2,964
1964	51.0	1,960	100.0	41	4,116
1965	59.1	2,075	122.5	42	5,100
1966	74.5	1,875	139.7	47	6,503
1967	72.0	1,900	136.8	44	6,030
1968	72.0	2,185	157.2	38	5,929
1969	76.9	1,885	144.9	31	4,544
1970	101.2	1,855	187.8	35	6,532
1971	114.9	2,400	275.6	32	8,775
1972	117.4	2,175	255.1	53	13,500
1973	119.4	2,135	255.1	101	25,875
1974	80.9	1,515	122.5	93	11,400
1975	80.9	1,890	153.1	91	13,950
1976	68.8	2,045	140.8	77	10,833
1977	68.8	2,375	163.3	80	13,040
1978	64.7	2,395	155.1	83	12,920
1979	56.7	2,125	120.4	105	12,626
1980	48.6	1,805	87.8	130	11,395
1981	48.6	2,265	110.2	115	12,670
1982	48.6	2,685	130.6	89	11,620
1983	48.6	2,015	98.0	115	11,270
1984	44.5	2,330	104.0	127	13,210
1985	40.5	2,750	112.0	92	10,300
1986	14.2	2,585	36.7	68	2,500
1987	14.2	2,585	36.7	72	2,640
1988	10.1	1,614	16.3	121	1,970
1989	12.1	2,190	26.5	100	2,650
1990	10.9	2,430	26.5	80	2,120
1991	12.1	2,500	30.6	85	2,600
1992	8.1	3,100	25.5	86	2,180
1993	12.1	2,400	28.6	92	2,630
1994	12.1	2,400	28.6	110	3,150
1995	12.1	2,500	30.6	166	5,080
1996	10.1	2,800	28.6	147	4,200
1997^R	8.1	2,500	20.4	132	2,700
1998^R	4.0	2,600	10.2	103	1,050
1999^R	4.0	2,800	11.2	81	910
2000^R	6.1	3,000	18.4	92	1,700
2001^R	6.1	2,300	14.3	125	1,780
2002^R	8.1	2,500	20.4	144	2,940
2003	4.0	2,100	8.2	118	960

* Seeded area to 1985, harvested area from 1986.

SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 81: Mixed Grains Continued

Year	Harvested Acres*	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	126	31.7	3,994	0.75	2,996
1961	57	18.2	2,857	0.91	2,600
1962	124	40.3	5,000	0.82	4,100
1963	126	31.0	3,900	0.76	2,964
1964	126	38.9	4,900	0.84	4,116
1965	146	41.1	6,000	0.85	5,100
1966	184	37.2	6,845	0.95	6,503
1967	178	37.6	6,700	0.90	6,030
1968	178	43.3	7,700	0.77	5,929
1969	190	37.4	7,100	0.64	4,544
1970	250	36.8	9,200	0.71	6,532
1971	284	47.5	13,500	0.65	8,775
1972	290	43.1	12,500	1.08	13,500
1973	295	42.4	12,500	2.07	25,875
1974	200	30.0	6,000	1.90	11,400
1975	200	37.5	7,500	1.86	13,950
1976	170	40.6	6,900	1.57	10,833
1977	170	47.1	8,000	1.63	13,040
1978	160	47.5	7,600	1.70	12,920
1979	140	42.1	5,900	2.14	12,626
1980	120	35.8	4,300	2.65	11,395
1981	120	45.0	5,400	2.35	12,670
1982	120	53.3	6,400	1.82	11,620
1983	120	40.0	4,800	2.35	11,270
1984	110	46.4	5,100	2.59	13,210
1985	100	55.0	5,500	1.88	10,300
1986	35	51.4	1,800	1.39	2,500
1987	35	51.4	1,800	1.47	2,640
1988	25	32.0	800	2.47	1,970
1989	30	43.3	1,300	2.04	2,650
1990	27	48.1	1,300	1.65	2,120
1991	30	50.0	1,500	1.75	2,600
1992	20	62.5	1,250	1.75	2,180
1993	30	46.7	1,400	1.90	2,630
1994	30	46.7	1,400	2.25	3,150
1995	30	50.0	1,500	3.40	5,080
1996	25	56.0	1,400	3.00	4,200
1997^R	20	50.0	1,000	2.57	2,700
1998^R	10	50.0	500	2.10	1,050
1999^R	10	55.0	550	1.65	910
2000^R	15	60.0	900	1.90	1,700
2001^R	15	46.7	700	2.55	1,780
2002^R	20	50.0	1,000	2.95	2,940
2003	10	40.0	400	2.40	960

* Seeded area to 1985, harvested area from 1986

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives

TABLE 82: Historical Production and Value of Grain Corn

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	2.2	2,045	4.5	43	193
1961	1.7	1,825	3.1	45	141
1962	1.3	2,615	3.4	45	152
1963	1.8	2,555	4.6	49	225
1964	2.0	1,600	3.2	47	150
1965	2.4	1,585	3.8	49	188
1966	1.2	2,750	3.3	58	191
1967	2.2	3,180	7.0	59	412
1968	1.0	2,500	2.5	53	132
1969	1.2	2,085	2.5	54	135
1970	1.4	2,570	3.6	58	210
1971	3.7	3,025	11.2	49	550
1972	5.3	3,360	17.8	61	1,085
1973	6.5	3,445	22.4	120	2,684
1974	2.0	2,400	4.8	145	697
1975	4.9	3,900	19.1	120	2,288
1976	6.9	4,230	29.2	119	3,473
1977	9.7	4,060	39.4	103	4,061
1978	35.6	4,140	147.3	110	16,240
1979	52.6	3,765	198.1	124	24,570
1980	56.7	3,360	190.5	134	25,500
1981	91.1	4,740	431.8	106	45,770
1982	80.9	3,140	254.0	105	26,670
1983	77.0	2,830	218.0	130	28,340
1984	73.0	3,230	236.0	140	33,040
1985	40.5	1,880	76.0	120	9,120
1986	13.8	4,420	61.0	92	5,610
1987	20.2	5,406	109.2	92	10,050
1988	34.4	3,323	114.3	133	15,200
1989	36.4	3,140	114.3	122	13,940
1990	34.4	4,799	165.1	110	18,160
1991	40.5	5,100	205.7	110	22,670
1992	12.1	2,900	35.6	92	3,280
1993	14.2	2,600	36.8	112	4,130
1994	22.3	5,200	116.8	149	17,400
1995	18.2	5,200	94.0	178	16,730
1996	28.3	5,000	142.2	143	20,330
1997	30.4	5,000	152.4	129	19,660
1998	36.4	5,900	215.9	114	24,610
1999^{R}	40.5	5,900	238.8	102	24,360
2000^{R}	52.6	5,000	264.2	110	29,060
2001^{R}	40.5	6,200	250.2	114	28,520
2002^{R}	62.7	5,900	368.3	151	55,610
2003	85.0	5,800	495.3	126	62,530

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 82: Grain Corn Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	5.5	32.5	179	1.08	193
1961	4.1	30.0	123	1.15	141
1962	3.3	40.0	132	1.15	152
1963	4.5	40.0	180	1.25	225
1964	5.0	25.0	125	1.20	150
1965	6.0	25.0	150	1.25	188
1966	2.9	44.8	130	1.47	191
1967	5.5	50.0	275	1.50	412
1968	2.5	40.0	100	1.32	132
1969	3.0	33.3	100	1.35	135
1970	3.5	40.0	140	1.50	210
1971	9.1	48.4	440	1.25	550
1972	13.0	53.8	700	1.55	1,085
1973	16.0	55.0	880	3.05	2,684
1974	5.0	38.0	190	3.67	697
1975	12.0	62.5	750	3.05	2,288
1976	17.0	67.6	1,150	3.02	3,473
1977	24.0	64.6	1,550	2.62	4,061
1978	88.0	65.9	5,800	2.80	16,240
1979	130.0	60.0	7,800	3.15	24,570
1980	140.0	53.6	7,500	3.40	25,500
1981	225.0	75.6	17,000	2.69	45,770
1982	200.0	50.0	10,000	2.67	26,670
1983	190.0	45.3	8,600	3.30	28,340
1984	180.0	51.7	9,300	3.55	33,040
1985	100.0	30.0	3,000	3.04	9,120
1986	34.0	70.6	2,400	2.34	5,610
1987	50.0	86.0	4,300	2.33	10,050
1988	85.0	52.9	4,500	3.37	15,200
1989	90.0	50.0	4,500	3.10	13,940
1990	85.0	76.5	6,500	2.79	18,160
1991	100.0	81.0	8,100	2.80	22,670
1992	30.0	46.7	1,400	2.35	3,280
1993	35.0	41.4	1,450	2.85	4,130
1994	55.0	83.6	4,600	3.80	17,400
1995	45.0	82.2	3,700	4.50	16,730
1996	70.0	80.0	5,600	3.63	20,330
1997	75.0	80.0	6,000	3.28	19,660
1998	90.0	94.4	8,500	2.90	24,610
1999^{R}	100.0	94.0	9,400	2.60	24,360
2000^{R}	130.0	80.0	10,400	2.80	29,060
2001^{R}	100.0	98.5	9,850	2.90	28,520
2002^{R}	155.0	93.5	14,500	3.85	55,610
2003	210.0	92.9	19,500	3.20	62,530

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives

TABLE 83: Historical Production Value Summary of Oilseeds

Year	Canola	Flaxseed	Sunflower Seed	Soybeans	TOTAL OILSEEDS
	thousand dollars				
1960	960	17,600	1,008		19,568
1961	648	14,190	961		15,799
1962	1,015	23,400	845		25,260
1963	1,900	26,505	1,547		29,952
1964	3,969	31,270	1,260		36,499
1965	5,880	43,578	1,584		51,042
1966	5,145	28,350	1,680		35,175
1967	4,416	17,556	1,584		23,556
1968	3,572	29,536	1,200		34,308
1969	8,400	26,214	1,870		36,484
1970	16,704	25,530	3,250		45,484
1971	25,800	12,862	7,091		45,753
1972	26,350	24,190	10,640		61,180
1973	44,968	72,580	8,750		126,298
1974	60,095	63,096	3,731		126,922
1975	63,875	55,020	6,600		125,495
1976	27,540	44,160	5,300		77,000
1977	80,640	68,250	20,125		169,015
1978	161,925	85,125	27,940		274,990
1979	151,500	124,425	50,600		326,525
1980	83,720	69,510	35,000		188,230
1981	86,650	84,500	41,980		213,130
1982	103,790	106,600	17,290		227,680
1983	152,050	95,930	12,160		260,140
1984	190,940	139,160	28,580		358,680
1985	167,000	148,140	13,570		328,710
1986	111,700	94,480	6,920		213,100
1987	140,050	78,560	8,990		227,600
1988	189,860	65,270	8,090		263,220
1989	102,180	72,320	15,940		190,440
1990	116,940	79,250	23,660		219,850
1991	187,370	51,870	28,480		267,720
1992	263,370	44,270	13,480		321,120
1993	272,960	55,010	15,120		343,090
1994^R	516,950	102,110	26,800		645,860
1995^R	451,540	119,960	15,525		587,025
1996^R	411,260	120,000	11,700		542,960
1997^R	576,310	117,350	16,660		710,320
1998^R	622,040	110,010	27,580	3,730	763,360
1999^R	392,790	55,450	24,870	700	473,810
2000^R	357,070	48,550	31,000	2,840	439,460
2001^R	351,540	61,000	37,140	9,020	458,720
2002^R	535,800	80,900	62,610	33,180	712,490
2003	628,000	69,440	39,280	52,260	788,790

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 84: Historical Production and Value of Canola

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	13.4	815	11	88	960
1961	12	690	8	79	648
1962	13	1,015	13	77	1,015
1963	18	945	17	110	1,900
1964	34	980	33	119	3,969
1965	59	925	54	108	5,880
1966	69	690	48	108	5,145
1967	59	890	52	85	4,416
1968	37	1,170	43	83	3,572
1969	79	1,000	79	106	8,400
1970	162	1,010	163	102	16,704
1971	235	1,160	272	95	25,800
1972	190	1,015	193	137	26,350
1973	162	1,080	175	258	44,968
1974	202	955	193	312	60,095
1975	304	935	284	225	63,875
1976	101	1,010	102	270	27,540
1977	202	1,435	290	278	80,640
1978	425	1,360	578	280	161,925
1979	546	1,040	567	267	151,500
1980	324	910	295	284	83,720
1981	243	1,260	306	283	86,650
1982	344	1,160	399	260	103,790
1983	384	1,030	397	383	152,050
1984	486	1,120	544	351	190,940
1985	405	1,570	635	263	167,000
1986	397	1,430	567	197	111,700
1987	393	1,445	567	247	140,050
1988	648	981	635	299	189,860
1989	445	866	386	265	102,180
1990	352	1,308	460	254	116,940
1991	508	1,600	796	235	187,370
1992	627	1,600	987	267	263,370
1993	736	1,200	907	301	272,960
1994	1,012	1,500	1,486	348	516,950
1995	941	1,300	1,227	368	451,540
1996	627	1,700	1,068	385	411,260
1997^{R}	951	1,600	1,497	385	576,310
1998^{R}	1,105	1,600	1,803	345	622,040
1999	996	1,700	1,708	230	392,790
2000	935	1,600	1,488	240	357,070
2001^{R}	761	1,500	1,134	310	351,540
2002^{R}	870	1,600	1,429	375	535,800
2003	1,008	1,700	1,769	355	628,000

SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 84: Canola Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	33	14.5	480	2.00	960
1961	29	12.3	360	1.80	648
1962	32	18.0	580	1.75	1,015
1963	45	16.9	760	2.50	1,900
1964	84	17.5	1,470	2.70	3,969
1965	145	16.6	2,400	2.45	5,880
1966	170	12.4	2,100	2.45	5,145
1967	145	15.9	2,300	1.92	4,416
1968	91	20.9	1,900	1.88	3,572
1969	196	17.9	3,500	2.40	8,400
1970	400	18.0	7,200	2.32	16,704
1971	581	20.7	12,000	2.15	25,800
1972	470	18.1	8,500	3.10	26,350
1973	400	19.2	7,700	5.84	44,968
1974	500	17.0	8,500	7.07	60,095
1975	750	16.7	12,500	5.11	63,875
1976	250	18.0	4,500	6.12	27,540
1977	500	25.6	12,800	6.30	80,640
1978	1,050	24.3	25,500	6.35	161,925
1979	1,350	18.5	25,000	6.06	151,500
1980	800	16.2	13,000	6.44	83,720
1981	600	22.5	13,500	6.42	86,650
1982	850	20.7	17,600	5.90	103,790
1983	950	18.4	17,500	8.69	152,050
1984	1,200	20.0	24,000	7.96	190,940
1985	1,000	28.0	28,000	5.96	167,000
1986	980	25.5	25,000	4.47	111,700
1987	970	25.8	25,000	5.60	140,050
1988	1,600	17.5	28,000	6.78	189,860
1989	1,100	15.5	17,000	6.01	102,180
1990	870	23.3	20,300	5.76	116,940
1991	1,255	28.0	35,100	5.35	187,370
1992	1,550	28.1	43,500	6.05	263,370
1993	1,820	22.0	40,000	6.80	272,960
1994	2,500	26.2	65,500	7.90	516,950
1995	2,325	23.3	54,100	8.35	451,540
1996	1,550	30.4	47,100	8.73	411,260
1997^{R}	2,350	28.1	66,000	8.73	576,310
1998^{R}	2,730	29.1	79,500	7.82	622,040
1999	2,460	30.6	75,300	5.22	392,790
2000	2,310	28.4	65,600	5.44	357,070
2001^{R}	1,880	26.6	50,000	7.03	351,540
2002^{R}	2,150	29.3	63,000	8.50	535,800
2003	2,490	30.7	78,000	8.05	628,000

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 85: Historical Production and Value of Flaxseed

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(000 tonnes)	$	($000)
1960	286.0	570	162.6	108	17,600
1961	303.0	360	109.2	130	14,190
1962	270.0	735	198.1	118	23,400
1963	332.0	710	236.2	112	26,505
1964	415.0	650	269.3	116	31,270
1965	546.0	755	411.5	106	43,578
1966	448.0	595	266.7	106	28,350
1967	267.0	540	144.8	121	17,556
1968	332.0	795	264.2	112	29,536
1969	445.0	580	259.1	101	26,214
1970	445.0	655	292.1	87	25,530
1971	229.0	655	149.9	86	12,862
1972	202.0	740	149.9	161	24,190
1973	243.0	795	193.0	376	72,580
1974	283.0	590	167.6	376	63,096
1975	304.0	700	213.4	258	55,020
1976	212.0	755	160.0	276	44,160
1977	304.0	1,085	330.2	207	68,250
1978	304.0	1,045	317.5	268	85,125
1979	506.0	880	444.5	280	124,425
1980	324.0	650	210.8	331	69,510
1981	283.0	925	261.6	323	84,500
1982	364.0	1,200	436.9	244	106,600
1983	304.0	980	297.0	323	95,930
1984	425.0	1,030	439.0	317	139,160
1985	425.0	1,320	559.0	265	148,140
1986	414.8	1,317	546.1	173	94,480
1987	315.7	1,263	398.8	197	78,560
1988	259.0	696	180.3	362	65,270
1989	279.2	783	218.5	331	72,320
1990	295.4	1,290	381.0	208	79,250
1991	250.1	1,300	330.2	157	51,870
1992	133.5	1,600	208.3	213	44,270
1993	218.5	1,100	243.9	226	55,010
1994	275.2	1,400	381.0	268	102,110
1995	313.6	1,300	403.9	297	119,960
1996	228.6	1,600	358.2	335	120,000
1997[R]	267.1	1,300	355.6	330	117,350
1998	275.2	1,300	360.7	305	110,010
1999	202.3	1,300	271.8	204	55,450
2000	174.0	1,200	205.7	236	48,550
2001[R]	176.0	1,100	199.4	306	61,020
2002[R]	172.0	1,200	214.6	377	80,900
2003	157.8	1,200	195.6	355	69,440

SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 85: Flaxseed Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	707	9.1	6,400	2.75	17,600
1961	748	5.7	4,300	3.30	14,190
1962	667	11.7	7,800	3.00	23,400
1963	820	11.3	9,300	2.85	26,505
1964	1,025	10.3	10,600	2.95	31,270
1965	1,350	12.0	16,200	2.69	43,578
1966	1,107	9.5	10,500	2.70	28,350
1967	660	8.6	5,700	3.08	17,556
1968	820	12.7	10,400	2.84	29,536
1969	1,100	9.3	10,200	2.57	26,214
1970	1,100	10.5	11,500	2.22	25,530
1971	566	10.4	5,900	2.18	12,862
1972	500	11.8	5,900	4.10	24,190
1973	600	12.7	7,600	9.55	72,580
1974	700	9.4	6,600	9.56	63,096
1975	750	11.2	8,400	6.55	55,020
1976	525	12.0	6,300	7.01	44,160
1977	750	17.3	13,000	5.25	68,250
1978	750	16.7	12,500	6.81	85,125
1979	1,250	14.0	17,500	7.11	124,425
1980	800	10.4	8,300	8.41	69,510
1981	700	14.7	10,300	8.20	84,500
1982	900	19.1	17,200	6.20	106,600
1983	750	15.6	11,700	8.20	95,930
1984	1,050	16.5	17,300	8.05	139,160
1985	1,050	21.0	22,000	6.73	148,140
1986	1,025	21.0	21,500	4.39	94,480
1987	780	20.1	15,700	5.00	78,560
1988	640	11.1	7,100	9.20	65,270
1989	690	12.5	8,600	8.41	72,320
1990	730	20.5	15,000	5.28	79,250
1991	618	21.0	13,000	4.00	51,870
1992	330	24.8	8,200	5.40	44,270
1993	540	17.8	9,600	5.75	55,010
1994	680	22.1	15,000	6.80	102,110
1995	775	20.5	15,900	7.50	119,960
1996	565	25.0	14,100	8.51	120,000
1997[R]	660	21.2	14,000	8.38	117,350
1998	680	20.9	14,200	7.75	110,010
1999	500	21.4	10,700	5.18	55,450
2000	430	18.8	8,100	5.99	48,550
2001	435	18.0	7,850	7.77	61,020
2002	425	19.9	8,450	9.58	80,900
2003	390	19.7	7,700	9.02	69,440

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives

TABLE 86: Historical Production and Value of Sunflower Seed

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(tonnes)	$	($000)
1960	11.3	905	10,200	99	1,008
1961	12.3	790	9,700	99	961
1962	8.3	845	7,000	121	845
1963	15.0	1,060	15,900	97	1,547
1964	19.4	590	11,400	111	1,260
1965	19.4	620	12,000	132	1,584
1966	17.4	730	12,700	132	1,680
1967	17.8	900	16,000	99	1,584
1968	15.0	725	10,900	110	1,200
1969	19.4	795	15,400	121	1,870
1970	26.3	895	23,600	138	3,250
1971	62.7	840	52,700	135	7,091
1972	76.9	895	68,900	154	10,640
1973	50.6	785	39,700	220	8,750
1974	8.5	975	8,300	450	3,731
1975	25.1	1,190	29,900	221	6,600
1976	20.2	1,190	24,000	221	5,300
1977	66.8	1,190	79,400	253	20,125
1978	87.0	1,325	115,200	243	27,940
1979	153.8	1,355	208,700	242	50,600
1980	129.5	1,225	158,800	220	35,000
1981	109.3	1,455	159,000	264	41,980
1982	70.8	1,235	87,300	198	17,290
1983	36.4	1,120	40,800	298	12,160
1984	68.8	1,150	79,400	360	28,580
1985	48.6	1,210	59,000	230	13,570
1986	23.1	1,433	33,100	209	6,920
1987	28.3	1,572	44,500	202	8,990
1988	34.4	1,238	42,600	190	8,090
1989	46.5	1,355	63,000	253	15,940
1990	56.7	1,776	100,700	235	23,660
1991	73.8	1,684	124,300	229	28,480
1992	42.5	1,301	55,300	244	13,480
1993	44.5	1,061	47,200	329	15,120
1994	56.7	1,527	86,600	320	26,800
1995	26.3	1,654	43,500	350	15,525
1996[R]	24.3	1,551	37,700	310	11,700
1997[R]	34.4	1,380	47,600	350	16,660
1998[R]	50.6	1,700	86,200	320	27,580
1999[R]	50.6	1,640	82,900	300	24,870
2000[R]	58.7	1,730	101,800	305	31,000
2001[R]	56.7	1,640	92,900	400	37,140
2002[R]	80.9	1,680	136,100	460	62,610
2003	87.0	1,430	124,700	315	39,280

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 86: Sunflower Seed Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Pound	Total
	(000)	(pounds)	(000 pounds)	$	($000)
1960	28.0	800	22,400	.045	1,008
1961	30.5	700	21,350	.045	961
1962	20.5	749	15,360	.055	845
1963	37.0	950	35,150	.044	1,547
1964	48.0	525	25,200	.050	1,260
1965	48.0	550	26,400	.060	1,584
1966	43.1	650	28,000	.060	1,680
1967	44.0	800	35,200	.045	1,584
1968	37.0	650	24,000	.050	1,200
1969	48.0	708	34,000	.055	1,870
1970	65.0	800	52,000	.0625	3,250
1971	155.0	750	116,250	.061	7,091
1972	190.0	800	152,000	.070	10,640
1973	125.0	700	87,500	.100	8,750
1974	21.0	867	18,200	.205	3,731
1975	62.0	1,065	66,000	.100	6,600
1976	50.0	1,060	53,000	.100	5,300
1977	165.0	1,061	175,000	.115	20,125
1978	215.0	1,182	254,000	.110	27,940
1979	380.0	1,211	460,000	.110	50,600
1980	320.0	1,094	350,000	.100	35,000
1981	270.0	1,300	350,000	.120	41,980
1982	175.0	1,100	192,500	.090	17,290
1983	90.0	1,000	90,000	.135	12,160
1984	170.0	1,030	175,000	.163	28,580
1985	120.0	1,080	130,000	.100	13,570
1986	57.0	1,281	73,000	.090	6,920
1987	70.0	1,400	93,000	.090	8,990
1988	85.0	1,106	94,000	.090	8,090
1989	115.0	1,209	139,000	.115	15,940
1990	140.0	1,586	222,000	.107	23,660
1991	182.4	1,502	274,000	.100	28,480
1992	105.0	1,162	122,000	.110	13,480
1993	110.0	945	104,000	.145	15,120
1994	140.0	1,364	191,000	.145	26,800
1995	65.0	1,477	96,000	.159	15,525
1996^R	60.0	1,387	83,200	.141	11,700
1997^R	85.0	1,235	105,000	.159	16,660
1998^R	125.0	1,520	190,000	.145	27,580
1999^R	125.0	1,462	182,800	.136	24,870
2000^R	145.0	1,548	224,500	.138	31,000
2001^R	140.0	1,462	204,700	.181	37,140
2002^R	200.0	1,500	300,000	.209	62,610
2003	215.0	1,279	275,000	.143	39,280

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 87: Historical Production and Value of Soybeans

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(tonnes)	$	($000)
1986	0.14			148	
1987	0.14			185	
1988	0.14			224	
1989	0.14			199	
1990	0.14			191	
1991	0.05			176	
1992	0.05			226	
1993	0.04			261	
1994	0.04			276	
1995	0.04			289	
1996	0.24			289	
1997	2.4			289	
1998	7.3	1,980	14,420	259	3,730
1999	2.0	2,040	4,080	173	700
2000	8.1	1,950	15,780	180	2,840
2001	20.2	1,800	36,700	245	9,020
2002	52.6	2,100	108,900	305	33,180
2003	89.0	1,700	149,700	349	52,260

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 87: Soybeans Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1986	0.3			4.00	
1987	0.3			5.05	
1988	0.3			6.10	
1989	0.3			5.40	
1990	0.3			5.20	
1991	0.1			4.80	
1992	0.1			5.45	
1993	0.1			6.15	
1994	0.1			7.10	
1995	0.1			7.50	
1996	0.6			7.85	
1997	6			7.85	
1998	18	29.5	530	7.05	3,730
1999	5	30.5	150	4.70	700
2000	20	29.0	580	4.90	2,840
2001	50	27.0	1,350	6.70	9,020
2002	130	30.8	4,000	8.30	33,180
2003	220	25.0	5,500	9.50	52,260

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 88: Historical Production Value Summary of Other Crops

Year	Buck-wheat	Canary Seed	Dry Beans	Dry Peas	Faba-beans	Lentils	Mustard Seed	Sugar Beets	Wild Rice	Fodder Corn	Tame Hay	Straw	Other Crops*	TOTAL
	thousand dollars													
1960	234			1,534			15	3,547		1,001	20,717			**27,048**
1961	164			1,470			184	2,430		1,188	15,820			**21,256**
1962	336			1,100			482	3,976		1,820	29,260			**36,974**
1963	435	26	10	1,610			1,010	5,791		2,114	28,005			**39,001**
1964	400	NA	NA	2,578			435	4,034		1,470	23,440			**32,357**
1965	210	9	10	1,699			1,214	4,502		1,834	26,928			**36,406**
1966	629	60	2	1,645			882	4,106		1,596	34,617			**43,537**
1967	1,050	NA	NA	1,470			1,096	4,036		980	28,000			**36,632**
1968	1,034	NA	NA	1,072			2,750	4,767		1,176	29,600			**40,399**
1969	1,138	270	10	1,402			1,020	5,937		1,099	31,350			**42,226**
1970	1,960	130	20	1,897			760	3,700	60	840	33,450			**42,817**
1971	2,400	70	120	2,100			312	6,926	250	490	34,650			**47,318**
1972	1,610	120	260	1,900	300	110	562	7,301	361	1,600	40,000			**54,124**
1973	3,375	270	390	4,620	1,700	120	2,240	9,803	439	1,980	66,000			**90,937**
1974	3,402	110	120	5,246	100	190	5,550	11,281	110	2,940	84,000			**113,049**
1975	1,462	360	340	3,375	200	40	1,812	14,374	128	4,350	92,500			**118,941**
1976	1,616	980	870	4,702	100	40	1,613	11,918	351	4,200	97,968			**124,358**
1977	6,750	1,820	260	7,425	400	600	3,780	12,523	1,512	5,250	97,500			**137,820**
1978	12,150	1,160	240	7,790	1,000	270	7,040	14,230	1,071	6,800	107,010			**158,761**
1979	4,380	900	720	8,265	1,500	2,070	2,100	19,465	1,273	7,560	117,936			**166,169**
1980	5,000	2,230	1,510	11,664	2,200	4,620	5,400	13,057	629	12,180	95,250			**153,740**
1981	17,230	5,250	4,170	19,720	2,100	7,550	7,300	16,762	706	9,560	136,080			**226,428**
1982	6,910	4,560	3,060	15,750	1,500	7,000	2,570	19,518	461	12,020	124,740			**198,089**
1983	7,648	2,380	1,930	14,960	1,700	3,500	4,090	13,229	497	7,700	119,740			**177,374**
1984	4,520	3,000	1,670	18,520	1,400	5,400	4,800	11,288	1,135	6,860	129,400			**187,993**
1985	3,680	3,000	2,990	21,310	1,000	7,100	5,250	12,967	677	7,370	136,720			**202,064**
1986	5,010	6,620	6,750	19,650	2,000	8,320	4,940	15,149	770	7,620	188,120			**264,949**
1987	5,010	2,210	5,800	27,970	2,900	12,310	2,000	17,785	940	4,390	139,340			**208,357**
1988	3,480	2,210	5,280	16,960	1,100	2,300	1,330	10,055	1,017	4,500	117,230			**165,462**
1989	4,060	5,350	3,610	13,240	1,000	5,950	2,290	15,017	900	4,530	147,340			**203,287**
1990	3,600	3,840	9,100	13,080	1,100	15,960	3,670	13,937	935	3,800	166,930			**235,952**
1991[R]	4,050	1,330	6,600	14,430	560	20,030	1,870	15,790	1,040	5,700	127,370			**198,770**
1992[R]	1,810	1,590	7,850	21,020	1,000	23,410	780	13,045	262	1,520	118,100			**190,387**
1993[R]	1,080	810	6,690	15,620	740	9,720	880	11,617	64	4,340	192,820			**244,381**
1994[R]	3,350	4,150	20,940	30,703	1,220	18,710	1,160	19,019	1,488	7,940	149,680			**258,360**
1995[R]	4,810	5,280	25,190	30,280	1,131	12,480	820	15,852	1,024	12,210	115,000			**224,077**
1996[R]	5,430	11,120	23,930	28,910	1,220	7,350	1,970	13,652	815	8,170	159,670			**262,237**
1997[R]	3,280	2,990	26,280	31,490	720	1,550	2,510	0	680	7,490	94,350	2,040		**173,380**
1998[R]	3,960	6,400	36,770	33,170	1,870	1,900	1,240	0	430	12,850	158,400	2,380	2,000	**261,370**
1999[R]	2,620	1,850	57,150	13,240	1,070	3,660	540	0	975	5,210	173,360	1,955	7,090	**268,720**
2000[R]	2,990	4,640	61,170	21,980	2,690	4,990	1,090	0	480	9,150	157,190	1,500	10,000	**277,870**
2001[R]	4,020	7,630	107,870	27,910	1,380	860	4,090	0	990	18,670	187,790	1,950	3,500	**366,660**
2002[R]	2,440	18,970	87,890	36,090	1,290	36	6,140	0	640	12,270	161,600	1,400	4,000	**332,766**
2003	1,790	11,290	73,650	23,770	1,070	1,060	3,820	0	1,004	17,250	149,230	1,700	7,100	**292,734**

* Includes hemp, triticale, safflower, borage, coriander, caraway, and other herbs, aromatics and medicinals.

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 89: Historical Production and Value of Buckwheat

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(tonnes)	$	($000)
1960	6.1	835	5,100	46	234
1961	5.3	585	3,100	53	164
1962	4.0	1,140	4,550	74	336
1963	6.1	1,075	6,550	66	435
1964	10.5	830	8,700	46	400
1965	8.1	535	4,350	48	210
1966	9.2	805	7,400	85	629
1967	18.2	630	11,450	92	1,050
1968	20.2	570	11,550	90	1,034
1969	20.2	700	14,150	80	1,138
1970	32.4	940	30,500	64	1,960
1971	32.4	1,075	34,850	69	2,400
1972	30.4	825	25,050	64	1,610
1973	26.3	745	19,600	172	3,375
1974	16.2	940	15,240	223	3,402
1975	10.1	925	9,350	156	1,462
1976	17.8	490	8,700	186	1,616
1977	32.4	1,010	32,650	207	6,750
1978	48.6	1,210	58,800	207	12,150
1979	54.6	400	21,750	201	4,380
1980	39.7	440	17,400	287	5,000
1981	50.6	900	45,700	377	17,230
1982	46.5	470	21,800	317	6,910
1983	36.4	660	23,900	320	7,648
1984	28.3	460	13,100	345	4,520
1985	12.1	880	10,700	344	3,680
1986	21.9	922	20,200	248	5,010
1987	16.2	1,247	20,200	248	5,010
1988	22.3	614	13,700	254	3,480
1989	16.2	728	11,800	344	4,060
1990	20.2	1,079	21,800	165	3,600
1991	15.7	1,100	17,400	233	4,050
1992	14.2	500	6,500	278	1,810
1993	6.1	500	2,900	372	1,080
1994	8.1	1,100	8,700	385	3,350
1995	12.1	1,100	13,700	351	4,810
1996	12.1	1,300	15,200	357	5,430
1997	10.1	1,000	9,800	335	3,280
1998	12.1	900	10,900	363	3,960
1999	10.1	900	8,700	301	2,620
2000	12.1	800	9,800	305	2,990
2001	12.1	1,000	12,500	321	4,020
2002	8.1	900	7,100	344	2,440
2003	6.1	900	5,400	332	1,790

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE89: Buckwheat Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	15.0	15.6	234	1.00	234
1961	13.2	10.8	143	1.20	164
1962	10.0	21.0	210	1.60	336
1963	15.0	20.0	300	1.50	435
1964	26.0	15.4	400	1.00	400
1965	20.0	10.0	200	1.10	210
1966	22.7	15.0	340	1.90	629
1967	45.0	11.7	525	2.00	1,050
1968	50.0	10.6	530	2.00	1,034
1969	50.0	13.0	650	1.80	1,138
1970	80.0	17.5	1,400	1.40	1,960
1971	80.0	20.0	1,600	1.50	2,400
1972	75.0	15.3	1,150	1.40	1,610
1973	65.0	13.8	900	3.80	3,375
1974	40.0	17.5	700	4.90	3,402
1975	25.0	17.2	430	3.40	1,462
1976	44.0	9.1	400	4.00	1,616
1977	80.0	18.8	1,500	4.50	6,750
1978	120.0	22.5	2,700	4.50	12,150
1979	135.0	7.4	1,000	4.40	4,380
1980	98.0	8.2	800	6.30	5,000
1981	125.0	16.8	2,100	8.20	17,230
1982	115.0	8.7	1,000	6.90	6,910
1983	90.0	12.2	1,100	7.00	7,648
1984	70.0	8.6	600	7.50	4,520
1985	30.0	16.3	490	7.50	3,680
1986	54.0	17.2	930	5.40	5,010
1987	40.0	23.3	930	5.40	5,010
1988	55.0	11.5	630	5.50	3,480
1989	40.0	13.5	540	7.50	4,060
1990	50.0	20.0	1,000	3.60	3,600
1991	38.7	20.7	800	5.10	4,050
1992	35.0	8.6	300	6.10	1,810
1993	15.0	9.0	135	8.00	1,080
1994	20.0	20.0	400	8.40	3,350
1995	30.0	21.0	630	7.70	4,810
1996	30.0	23.3	700	7.80	5,430
1997	25.0	18.0	450	7.29	3,280
1998	30.0	16.7	500	7.91	3,960
1999	25.0	16.0	400	6.55	2,620
2000	30.0	15.0	450	6.65	2,990
2001	30.0	19.2	575	6.99	4,020
2002	20.0	16.3	325	7.49	2,440
2003	15.0	16.3	250	7.22	1,790

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 90: Historical Production and Value of Canary Seed

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(tonnes)	$	($000)
1963	0.6	560	340	77	26
1964	NA	NA	NA	NA	NA
1965	0.1	673	80	110	9
1966	1.0	673	680	88	60
1967	NA	NA	NA	NA	NA
1968	NA	NA	NA	NA	NA
1969	2.4	1,009	2,450	110	270
1970	2.0	841	1,700	77	130
1971	0.8	1,065	860	77	70
1972	1.4	953	1,350	88	120
1973	1.8	953	1,740	154	270
1974	0.6	560	360	309	110
1975	1.6	841	1,360	265	360
1976	3.0	1,121	3,400	287	980
1977	6.1	1,233	7,480	243	1,820
1978	6.9	953	6,550	176	1,160
1979	7.0	729	5,100	176	900
1980	10.9	841	9,190	243	2,230
1981	14.2	841	11,900	441	5,250
1982	19.4	1,065	20,700	220	4,560
1983	8.9	1,278	11,400	209	2,380
1984	12.1	897	10,900	276	3,000
1985	8.1	1,345	10,900	276	3,000
1986	23.1	1,238	28,600	231	6,620
1987	10.1	1,327	13,400	165	2,210
1988	10.1	762	7,700	287	2,210
1989	14.2	1,423	20,200	265	5,350
1990	12.1	1,496	18,100	212	[illegible],840
1991	8.1	898	7,300	182	1,330
1992	7.3	1,000	7,300	218	1,590
1993	4.0	775	3,100	260	810
1994	10.1	1,347	13,600	305	4,150
1995	10.1	1,208	12,200	433	5,280
1996	26.3	1,281	33,700	330	11,120
1997	8.1	1,140	9,200	325	2,990
1998	18.2	1,370	24,900	257	6,400
1999	6.1	1,250	7,600	244	1,850
2000	16.2	1,060	17,200	270	4,640
2001	20.2	560	11,300	675	7,630
2002[R]	40.5	810	32,700	580	18,970
2003	24.3	1,310	31,800	355	11,290

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 90: Canary Seed Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Pound	Total
	(000)	(pounds)	(000 pounds)	$	($000)
1963	1.5	500	800	.035	26
1964	NA	NA	NA	NA	NA
1965	0.3	600	200	.050	9
1966	2.5	600	1,500	.040	60
1967	NA	NA	NA	NA	NA
1968	NA	NA	NA	NA	NA
1969	6.0	900	5,400	.050	270
1970	5.0	750	3,800	.035	130
1971	2.0	950	1,900	.035	70
1972	3.5	850	3,000	.040	120
1973	4.5	850	3,800	.070	270
1974	1.6	500	800	.140	110
1975	4.0	750	3,000	.120	360
1976	7.5	1,000	7,500	.130	980
1977	15.0	1,100	16,500	.110	1,820
1978	17.0	850	14,500	.080	1,160
1979	17.3	650	11,200	.080	900
1980	27.0	750	20,300	.110	2,230
1981	35.0	750	26,300	.200	5,250
1982	48.0	950	45,600	.100	4,560
1983	22.0	1,140	25,100	.095	2,380
1984	30.0	800	24,000	.125	3,000
1985	20.0	1,200	24,000	.125	3,000
1986	57.0	1,105	63,000	.105	6,620
1987	25.0	1,180	29,500	.075	2,210
1988	25.0	680	17,000	.130	2,210
1989	35.0	1,271	44,500	.120	5,350
1990	30.0	1,333	40,000	.096	3,840
1991	20.1	796	16,000	.083	1,330
1992	18.0	889	16,000	.100	1,590
1993	10.0	680	6,800	.120	810
1994	25.0	1,200	30,000	.138	4,150
1995	25.0	1,080	27,000	.196	5,280
1996	65.0	1,142	74,200	.150	11,120
1997	20.0	1,010	20,200	.147	2,990
1998	45.0	1,218	54,800	.116	6,400
1999	15.0	1,113	16,700	.110	1,850
2000	40.0	950	38,000	.122	4,640
2001	50.0	500	25,000	.306	7,630
2002[r]	100.0	720	72,000	.263	18,970
2003	60.0	1,167	70,000	.161	11,290

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives

TABLE 91: Historical Production and Value of Dry Beans

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
		(kilograms)	(tonnes)	$	($000)
1963	40	1,009	40	140	10
1964	NA	NA	NA	NA	NA
1965	120	673	80	132	10
1966	30	560	10	176	2
1967	NA	NA	NA	NA	NA
1968	NA	NA	NA	NA	NA
1969	100	560	80	176	10
1970	200	560	140	176	20
1971	600	1,233	700	176	120
1972	1,200	1,233	1,500	176	260
1973	600	1,233	790	496	390
1974	500	1,009	490	243	120
1975	800	1,121	860	392	340
1976	3,000	880	2,620	331	870
1977	800	1,009	780	331	260
1978	600	1,098	670	357	240
1979	1,000	1,524	1,540	467	720
1980	2,000	1,211	2,450	617	1,510
1981	7,800	863	6,750	617	4,170
1982	8,500	1,087	9,240	331	3,060
1983	3,000	1,031	3,130	617	1,930
1984	2,800	1,233	3,440	485	1,670
1985	5,300	1,289	6,780	441	2,990
1986	4,800	1,592	7,660	882	6,750
1987	8,100	1,625	13,150	441	5,800
1988	8,900	841	7,480	705	5,280
1989	12,100	498	6,040	595	3,610
1990	17,000	1,345	22,860	397	9,100
1991^{R}	15,194	1,250	19,000	350	6,600
1992^{R}	14,400	1,200	16,700	470	7,850
1993^{R}	13,400	700	9,700	690	6,690
1994^{R}	18,200	1,900	34,000	616	20,940
1995	26,300	1,700	45,800	550	25,190
1996^{R}	26,300	1,500	38,600	620	23,930
1997^{R}	32,300	1,500	47,700	551	26,280
1998^{R}	40,400	1,800	72,100	510	36,770
1999	68,800	1,800	121,600	470	57,150
2000	93,100	1,600	147,400	415	61,170
2001^{R}	95,100	1,700	159,800	675	107,870
2002^{R}	125,500	1,800	231,300	380	87,890
2003	89,000	1,900	165,500	445	73,650

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE91: Dry Beans Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Pound	Total
	(000)	(pounds)	(000 pounds)	$	($000)
1963	0.1	900	900	.063	10
1964	NA	NA	NA	NA	NA
1965	0.3	600	180	.060	10
1966	0.1	500	30	.080	2
1967	NA	NA	NA	NA	NA
1968	NA	NA	NA	NA	NA
1969	0.4	500	180	.080	10
1970	0.6	500	300	.080	20
1971	1.4	1,100	1,540	.080	120
1972	3.0	1,100	3,300	.080	260
1973	1.6	1,100	1,740	.225	390
1974	1.2	900	1,080	.110	120
1975	1.9	1,000	1,900	.178	340
1976	7.4	785	5,770	.150	870
1977	1.9	900	1,710	.150	260
1978	1.5	980	1,470	.162	240
1979	2.5	1,360	3,400	.212	720
1980	5.0	1,080	5,400	.280	1,510
1981	19.3	770	14,880	.280	4,170
1982	21.0	970	20,370	.150	3,060
1983	7.5	920	6,900	.280	1,930
1984	6.9	1,100	7,590	.220	1,670
1985	13.0	1,150	14,950	.200	2,990
1986	11.9	1,420	16,880	.400	6,750
1987	20.0	1,450	29,000	.200	5,800
1988	22.0	750	16,500	.320	5,280
1989	30.0	444	13,320	.270	3,610
1990	42.0	1,200	50,400	.180	9,100
1991	37.5	1,100	41,900	.160	6,600
1992^R	35.0	1,060	37,000	.210	7,850
1993^R	33.0	650	21,500	.260	6,690
1994^R	45.0	1,670	75,000	.280	20,940
1995	65.0	1,550	101,000	.249	25,190
1996^R	65.0	1,310	85,000	.281	23,930
1997	80.0	1,310	105,000	.250	26,280
1998	100.0	1,590	159,000	.231	36,770
1999	170.0	1,580	268,000	.213	57,150
2000	230.0	1,410	325,000	.188	61,170
2001^R	235.0	1,500	352,500	.306	107,870
2002^R	310.0	1,650	510,000	.172	87,890
2003	220.0	1,660	365,000	.202	73,650

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives

TABLE 92: Historical Production and Value of Dry Peas

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(tonnes)	$	($000)
1960	16.6	1,255	20,850	74	1,534
1961	18.9	1,010	19,050	77	1,470
1962	12.9	1,055	13,600	81	1,100
1963	15.0	1,270	19,050	85	1,610
1964	23.9	1,545	36,950	70	2,578
1965	17.2	1,495	25,700	66	1,699
1966	18.6	1,070	19,900	83	1,645
1967	12.1	1,575	19,050	77	1,470
1968	13.4	1,070	14,350	75	1,072
1969	21.0	970	20,400	69	1,402
1970	24.3	1,140	27,750	68	1,897
1971	20.5	1,595	32,650	64	2,100
1972	18.2	1,495	27,200	70	1,900
1973	14.2	1,610	22,850	202	4,620
1974	16.2	1,395	22,600	232	5,246
1975	14.2	1,435	20,400	165	3,375
1976	15.4	1,750	26,950	174	4,702
1977	22.3	1,650	36,750	202	7,425
1978	25.5	2,025	51,700	151	7,790
1979	28.3	1,825	51,700	160	8,265
1980	34.0	1,440	49,000	238	11,664
1981	40.5	1,950	78,900	250	19,720
1982	44.5	1,830	81,600	193	15,750
1983	40.5	1,680	68,000	220	14,960
1984	44.5	1,830	81,600	227	18,520
1985	40.5	2,490	101,000	211	21,310
1986	58.7	1,761	103,400	190	19,650
1987	72.8	1,981	144,200	194	27,970
1988	72.8	1,084	78,900	215	16,960
1989	46.5	1,523	70,800	187	13,240
1990	36.4	2,019	73,500	178	13,080
1991	51.6	1,600	84,400	171	14,430
1992	48.6	2,200	108,900	193	21,020
1993	60.7	1,400	85,700	182	15,620
1994	80.9	2,100	168,700	182	30,703
1995	72.8	2,000	147,000	206	30,280
1996	56.7	2,300	132,000	219	28,910
1997	82.9	2,200	178,300	177	31,490
1998	103.2	2,200	225,900	147	33,170
1999^{R}	38.4	2,400	92,000	144	13,240
2000	60.6	2,600	160,500	137	21,980
2001^{R}	60.7	2,400	146,100	191	27,910
2002^{R}	80.8	2,200	176,900	204	36,090
2003	54.6	2,500	137,400	173	23,770

SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 92: Dry Peas Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Bushel	Total
	(000)	(bushels)	(000 bushels)	$	($000)
1960	41.0	18.7	767	2.00	1,534
1961	46.7	15.0	700	2.10	1,470
1962	31.8	15.7	500	2.20	1,100
1963	37.0	18.9	700	2.30	1,610
1964	59.0	23.0	1,357	1.90	2,578
1965	42.5	22.2	944	1.80	1,699
1966	46.0	15.9	731	2.25	1,645
1967	30.0	23.3	700	2.10	1,470
1968	33.0	16.0	528	2.03	1,072
1969	52.0	14.4	750	1.87	1,402
1970	60.0	17.0	1,020	1.86	1,897
1971	50.7	23.7	1,200	1.75	2,100
1972	45.0	22.2	1,000	1.90	1,900
1973	35.0	24.0	840	5.50	4,620
1974	40.0	20.8	830	6.32	5,246
1975	35.0	21.4	750	4.50	3,375
1976	38.0	26.1	990	4.75	4,702
1977	55.0	24.5	1,350	5.50	7,425
1978	63.0	30.2	1,900	4.10	7,790
1979	70.0	27.1	1,900	4.35	8,265
1980	84.0	21.4	1,800	6.48	11,664
1981	100.0	29.0	2,900	6.80	19,720
1982	110.0	27.3	3,000	5.25	15,750
1983	100.0	25.0	2,500	5.98	14,960
1984	110.0	27.3	3,000	6.18	18,520
1985	100.0	37.0	3,700	5.75	21,310
1986	145.0	26.2	3,800	5.17	19,650
1987	180.0	29.4	5,300	5.28	27,970
1988	180.0	16.1	2,900	5.85	16,960
1989	115.0	22.6	2,600	5.09	13,240
1990	90.0	30.0	2,700	4.84	13,080
1991	127.4	24.3	3,100	4.65	14,430
1992	120.0	33.3	4,000	5.25	21,020
1993	150.0	21.0	3,150	4.95	15,620
1994	200.0	31.0	6,200	4.95	30,703
1995	180.0	30.0	5,400	5.61	30,280
1996^{R}	140.0	34.6	4,850	5.96	28,910
1997	205.0	32.0	6,550	4.81	31,490
1998	255.0	32.5	8,300	4.00	33,170
1999^{R}	95.0	35.6	3,380	3.92	13,240
2000	150.0	39.3	5,900	3.73	21,980
2001^{R}	150.0	35.8	5,370	5.20	27,910
2002^{R}	200.0	32.5	6,500	5.55	36,090
2003	135.0	37.4	5,050	4.71	23,770

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 93: Historical Production and Value of Fababeans

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(tonnes)	$	($000)
1972	0.8	2,578	2,090	143	300
1973	5.3	2,242	11,790	143	1,700
1974	1.0	897	910	143	100
1975	0.8	1,681	1,360	121	200
1976	0.6	1,569	950	143	100
1977	1.2	2,578	3,130	121	400
1978	4.0	1,961	7,940	121	1,000
1979	6.5	1,513	9,800	154	1,500
1980	8.9	1,345	11,970	187	2,200
1981	4.8	2,034	9,850	209	2,100
1982	5.3	1,480	7,780	198	1,500
1983	4.0	2,242	9,070	187	1,700
1984	4.9	1,457	7,080	198	1,400
1985	4.5	1,345	5,990	163	1,000
1986	5.3	2,018	10,700	187	2,000
1987	6.5	2,690	17,420	165	2,900
1988	7.3	1,009	7,350	154	1,100
1989	6.1	897	5,440	176	1,000
1990	3.2	1,905	6,170	176	1,100
1991	1.1	2,379	2,600	216	560
1992^{R}	2.4	2,542	6,100	163	1,000
1993^{R}	2.0	1,850	3,700	201	740
1994^{R}	2.0	3,000	6,000	203	1,220
1995^{R}	4.0	1,450	5,800	195	1,131
1996^{R}	1.6	3,375	5,400	226	1,220
1997	2.0	1,700	3,400	211	720
1998	4.0	2,580	10,300	182	1,870
1999	2.8	2,320	6,500	165	1,070
2000^{R}	6.1	2,520	15,400	175	2,690
2001^{R}	4.0	1,980	7,900	175	1,380
2002^{R}	4.0	2,100	8,400	153	1,290
2003	4.0	1,650	6,600	162	1,070

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 93: Fababeans Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Pound	Total
	(000)	(pounds)	(000 pounds)	$	($000)
1972	2.0	2,300	4,600	.065	300
1973	13.0	2,000	26,000	.065	1,700
1974	2.5	800	2,000	.065	100
1975	2.0	1,500	3,000	.055	200
1976	1.5	1,400	2,100	.065	100
1977	3.0	2,300	6,900	.055	400
1978	10.0	1,750	17,500	.055	1,000
1979	16.0	1,350	21,600	.070	1,500
1980	22.0	1,200	26,400	.085	2,200
1981	12.0	1,815	21,700	.095	2,100
1982	13.0	1,320	17,200	.090	1,500
1983	10.0	2,000	20,000	.085	1,700
1984	12.0	1,300	15,600	.090	1,400
1985	11.0	1,200	13,200	.074	1,000
1986	13.1	1,800	23,600	.085	2,000
1987	16.0	2,400	38,400	.075	2,900
1988	18.0	900	16,200	.070	1,100
1989	15.0	800	12,000	.080	1,000
1990	8.0	1,700	13,600	.080	1,100
1991	2.7	2,111	5,700	.098	560
1992^{R}	6.0	2,250	13,500	.074	1,000
1993^{R}	5.0	1,640	8,200	.090	740
1994^{R}	5.0	2,660	13,300	.092	1,220
1995	10.0	1,270	12,700	.089	1,131
1996^{R}	4.0	3,000	12,000	.103	1,220
1997	5.0	1,510	7,550	.095	720
1998	10.0	2,280	22,800	.082	1,870
1999^{R}	7.0	2,057	14,400	.075	1,070
2000^{R}	15.0	2,267	34,000	.079	2,690
2001	10.0	1,750	17,500	.080	1,380
2002	10.0	1,850	18,500	.069	1,290
2003	10.0	1,450	14,500	.073	1,070

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives

TABLE 94: Historical Production and Value of Lentils

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(tonnes)	$	($000)
1972	1.0	1,065	1,080	105	110
1973	0.8	897	760	154	120
1974	0.5	897	440	441	190
1975	0.2	560	110	364	40
1976	0.1	1,009	80	463	40
1977	0.7	1,121	770	772	600
1978	0.8	1,054	810	331	270
1979	6.9	616	4,270	485	2,070
1980	15.4	504	7,760	595	4,620
1981	14.2	1,054	14,920	506	7,550
1982	16.2	1,121	18,140	386	7,000
1983	10.1	1,121	11,340	309	3,500
1984	10.1	1,345	13,610	397	5,400
1985	10.1	1,480	14,970	474	7,100
1986	17.8	1,174	20,900	397	8,320
1987	24.3	1,531	37,200	331	12,310
1988	12.1	603	7,300	315	2,300
1989	12.1	1,240	15,000	397	5,950
1990	22.3	1,709	38,100	419	15,960
1991	54.0	1,184	64,000	313	20,030
1992	62.7	1,266	79,400	295	23,410
1993	32.4	744	24,100	403	9,720
1994	46.5	1,073	49,900	375	18,710
1995	20.2	1,411	28,500	438	12,480
1996	16.2	1,296	21,000	350	7,350
1997^{R}	3.2	1,660	5,300	293	1,550
1998^{R}	5.2	1,130	5,900	322	1,900
1999^{R}	6.1	1,440	8,800	415	3,660
2000	13.3	1,210	16,100	310	4,990
2001^{R}	2.4	1,420	3,400	253	860
2002^{R}	0.1	560	68	512	35
2003	1.6	1,690	2,700	381	1,060

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives

TABLE 94: Lentils Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Pound	Total
	(000)	(pounds)	(000 pounds)	$	($000)
1972	2.5	950	2,400	.048	110
1973	2.1	800	1,700	.070	120
1974	1.2	800	1,000	.200	190
1975	0.5	500	300	.165	40
1976	0.2	900	200	.210	40
1977	1.7	1,000	1,700	.350	600
1978	1.9	940	1,800	.150	270
1979	17.1	550	9,400	.220	2,070
1980	38.0	450	17,100	.270	4,620
1981	35.0	940	32,900	.230	7,550
1982	40.0	1,000	40,000	.175	7,000
1983	25.0	1,000	25,000	.140	3,500
1984	25.0	1,200	30,000	.180	5,400
1985	25.0	1,320	33,000	.215	7,100
1986	44.0	1,045	46,000	.180	8,320
1987	60.0	1,367	82,000	.150	12,310
1988	30.0	533	16,000	.143	2,300
1989	30.0	1,100	33,000	.180	5,950
1990	55.0	1,527	84,000	.190	15,960
1991	133.5	1,056	141,000	.142	20,030
1992	155.0	1,129	175,000	.134	23,410
1993	80.0	665	53,200	.183	9,720
1994	115.0	957	110,000	.170	18,710
1995	50.0	1,258	62,900	.200	12,480
1996	40.0	1,160	46,400	.159	7,350
1997^R	8.0	1,450	11,600	.133	1,550
1998^R	13.0	992	12,900	.145	1,900
1999^R	15.0	1,292	19,380	.186	3,660
2000	33.0	1,076	35,500	.141	4,990
2001^R	6.0	1,250	7,500	.120	860
2002^R	0.3	500	150	.232	35
2003	4.0	1,500	6,000	.177	1,060

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 95: Historical Production and Value of Mustard Seed

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(kilograms)	(tonnes)	$	($000)
1960	0.2	710	140	105	15
1961	4.4	430	1,900	97	184
1962	6.9	710	4,900	98	482
1963	10.9	845	9,200	110	1,010
1964	4.9	795	3,900	112	435
1965	11.3	955	10,800	112	1,214
1966	12.7	615	7,800	113	882
1967	11.7	785	9,200	119	1,096
1968	26.3	945	24,900	110	2,750
1969	15.0	905	13,600	75	1,020
1970	10.1	940	9,500	81	760
1971	4.2	880	3,700	84	312
1972	6.1	935	5,700	99	562
1973	16.2	895	14,500	154	2,240
1974	16.2	840	13,600	408	5,550
1975	9.3	710	6,600	275	1,812
1976	7.3	890	6,500	248	1,613
1977	16.2	1,005	16,300	232	3,780
1978	25.1	1,155	29,000	243	7,040
1979	10.1	940	9,500	221	2,100
1980	17.8	915	16,300	331	5,400
1981	18.2	1,050	19,100	382	7,300
1982	10.1	1,060	10,700	240	2,570
1983	12.1	960	11,600	353	4,090
1984	16.2	840	13,600	353	4,800
1985	12.1	1,240	15,000	350	5,250
1986	14.2	1,211	17,200	287	4,940
1987	6.1	1,262	7,700	260	2,000
1988	6.1	984	6,000	221	1,330
1989	9.7	763	7,400	309	2,290
1990	10.1	1,307	13,200	278	3,670
1991	6.6	1,348	8,900	210	1,870
1992	2.8	1,250	3,500	223	780
1993	4.0	950	3,800	231	880
1994	4.0	1,025	4,100	284	1,160
1995	4.0	650	2,600	317	820
1996	4.4	1,114	4,900	402	1,970
1997	6.9	910	6,300	398	2,510
1998	4.0	850	3,400	364	1,240
1999^{R}	2.0	950	1,900	284	540
2000^{R}	3.6	920	3,300	332	1,090
2001^{R}	6.1	840	5,100	801	4,090
2002^{R}	12.1	830	10,000	614	6,140
2003	10.1	1,030	10,400	368	3,820

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 95: **Mustard Seed Continued**

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Pound	Total
	(000)	(pounds)	(000 pounds)	$	($000)
1960	0.5	700	315	.048	15
1961	10.8	383	4,100	.045	184
1962	17.0	629	10,700	.045	482
1963	27.0	748	20,200	.050	1,010
1964	12.0	725	8,700	.050	435
1965	28.0	850	23,800	.051	1,214
1966	31.5	549	17,300	.051	882
1967	29.0	700	20,300	.054	1,096
1968	65.0	846	55,000	.050	2,750
1969	37.0	810	30,000	.034	1,020
1970	25.0	840	21,000	.036	760
1971	10.3	796	8,200	.038	312
1972	15.0	833	12,500	.045	562
1973	40.0	800	32,000	.070	2,240
1974	40.0	750	30,000	.185	5,550
1975	23.0	630	14,500	.125	1,812
1976	18.0	800	14,400	.112	1,613
1977	40.0	900	36,000	.105	3,780
1978	62.0	1,032	64,000	.110	7,040
1979	25.0	840	21,000	.100	2,100
1980	44.0	818	36,000	.150	5,400
1981	45.0	930	42,000	.174	7,300
1982	25.0	940	23,500	.109	2,570
1983	30.0	850	25,500	.160	4,090
1984	40.0	750	30,000	.160	4,800
1985	30.0	1,100	33,000	.160	5,250
1986	35.0	1,086	38,000	.130	4,940
1987	15.0	1,133	17,000	.120	2,000
1988	15.0	880	13,200	.101	1,330
1989	24.0	679	16,300	.141	2,290
1990	25.0	1,160	29,000	.126	3,670
1991	16.3	1,214	19,800	.095	1,870
1992	7.0	1,114	7,800	.101	780
1993	10.0	820	8,200	.105	880
1994	10.0	900	9,000	.129	1,160
1995	10.0	580	5,800	.144	820
1996	11.0	985	10,830	.182	1,970
1997	17.0	821	13,950	.182	2,510
1998	10.0	756	7,560	.168	1,240
1999^{R}	5.0	820	4,100	.129	540
2000^{R}	9.0	806	7,250	.150	1,090
2001^{R}	15.0	750	11,250	.363	4,090
2002^{R}	30.0	733	22,000	.278	6,140
2003	25.0	912	22,800	.167	3,820

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 96: Historical Production and Value of Sugar Beets

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value*	
				Price Per Tonne	Total
		(tonnes)	(tonnes)	$	($000)
1960	10,145	23.11	234,464	15.13	3,547
1961	8,556	19.94	170,640	14.24	2,430
1962	8,727	20.45	178,473	22.28	3,976
1963	11,381	27.71	315,419	18.36	5,791
1964	12,068	21.40	258,285	15.62	4,034
1965	10,488	22.69	237,930	18.92	4,502
1966	9,326	23.79	221,840	18.51	4,106
1967	10,886	18.90	205,691	19.62	4,036
1968	11,768	23.01	270,725	17.61	4,767
1969	12,789	24.34	311,322	19.07	5,937
1970	9,317	21.05	196,084	18.87	3,700
1971	12,495	26.36	329,326	21.03	6,926
1972	11,371	26.39	300,115	24.33	7,301
1973	9,984	27.95	279,039	35.13	9,803
1974	10,899	18.44	200,938	56.14	11,281
1975	12,914	27.83	359,449	39.99	14,374
1976	12,541	27.90	349,919	34.06	11,918
1977	10,235	39.09	400,102	31.30	12,523
1978	9,575	38.93	372,800	38.17	14,230
1979	8,945	27.97	250,187	77.80	19,465
1980	9,844	23.85	234,787	55.61	13,057
1981	11,229	36.20	406,442	41.24	16,762
1982	11,234	33.14	372,271	52.43	19,518
1983	11,122	30.02	333,900	39.62	13,229
1984	10,768	30.84	332,086	33.99	11,288
1985	9,602	30.25	290,474	44.64	12,967
1986	11,016	31.74	349,693	43.32	15,149
1987	10,524	40.29	424,048	41.94	17,785
1988	9,135	24.89	227,326	44.23	10,055
1989	10,493	31.35	328,954	45.65	15,017
1990	10,926	32.17	351,506	39.65	13,937
1991^R	10,711	42.30	453,600	34.81	15,790
1992^R	9,700	34.60	335,700	38.86	13,045
1993^R	10,100	28.10	283,900	40.92	11,617
1994^R	11,300	40.40	456,300	41.68	19,019
1995^R	10,500	37.30	391,900	40.45	15,852
1996^R	9,200	35.50	326,600	41.80	13,652

* Includes deficiency payments. Values do not include stabilization payments, if any.

** Preliminary value.

NOTE: Rogers Sugar Ltd. closed the Manitoba sugar beet plant in January 1997 and no sugar beets have been produced in Manitoba since 1996.

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE96: Sugar Beets Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value*	
				Price Per Ton	Total
		(tons)	(tons)	$	($000)
1960	25,068	10.31	258,450	13.73	3,547
1961	21,141	8.90	188,096	12.92	2,430
1962	21,565	9.12	196,731	20.21	3,976
1963	28,123	12.36	347,686	16.66	5,791
1964	29,819	9.55	284,708	14.17	4,034
1965	25,917	10.12	262,270	17.16	4,502
1966	23,045	10.61	244,534	16.79	4,106
1967	26,899	8.43	226,733	17.80	4,036
1968	29,079	10.26	298,420	15.98	4,767
1969	31,602	10.86	343,170	17.30	5,937
1970	23,022	9.39	216,143	17.12	3,700
1971	30,876	11.76	363,016	19.08	6,926
1972	28,098	11.77	330,817	22.07	7,301
1973	24,670	12.47	307,585	31.87	9,803
1974	26,931	8.22	221,494	50.93	11,281
1975	31,912	12.41	396,221	36.28	14,374
1976	30,990	12.44	385,716	30.90	11,918
1977	25,292	17.44	441,032	28.40	12,523
1978	23,659	17.37	410,937	34.63	14,230
1979	22,103	12.48	275,781	70.58	19,465
1980	24,326	10.64	258,806	50.45	13,057
1981	27,747	16.15	448,021	37.41	16,762
1982	27,759	14.78	410,354	47.56	19,518
1983	27,484	13.39	368,058	35.94	13,229
1984	26,607	13.76	366,058	30.84	11,288
1985	23,727	13.49	320,189	40.50	12,967
1986	27,222	14.16	385,467	39.30	15,149
1987	26,006	17.98	467,428	38.05	17,785
1988	22,574	11.10	250,581	40.13	10,055
1989	25,929	13.99	362,606	41.41	15,017
1990	26,998	14.35	387,465	35.97	13,937
1991^R	26,468	18.90	500,000	31.58	15,790
1992^R	24,000	15.40	370,000	35.25	13,045
1993^R	25,000	12.50	313,000	37.12	11,617
1994^R	28,000	18.00	503,000	37.81	19,019
1995^R	26,000	16.60	432,000	36.70	15,852
1996^R	22,700	15.90	360,000	37.92	13,652

* Includes deficiency payments. Values do not include stabilization payments, if any.

** Preliminary value.

NOTE: Rogers Sugar Ltd. closed the Manitoba sugar beet plant in January 1997 and no sugar beets have been produced in Manitoba since 1996.

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives

TABLE 97: Historical Production and Value of Wild Rice (green basis)

Year	Production	Producer Value	
		Price Per Kilogram	TOTAL
	(kilograms)	$	($000)
1970	67,563	0.88	60
1971	226,720	1.10	250
1972	272,598	1.32	361
1973	284,489	1.54	439
1974	62,231	1.76	110
1975	64,622	1.98	128
1976	159,383	2.20	351
1977	523,614	2.87	1,512
1978	215,022	4.98	1,071
1979	271,058	4.70	1,273
1980	452,815	1.39	629
1981	205,396	3.44	706
1982	188,243	2.45	461
1983	152,255	3.26	497
1984	282,116	3.96	1,135
1985	293,098	2.31	677
1986	388,636	1.98	770
1987	748,440	1.14	940
1988	743,904	1.36	1,017
1989	544,320	1.65	900
1990	498,960	1.87	935
1991	590,900	1.76	1,040
1992	159,000	1.65	262
1993	36,300	1.76	64
1994	1,088,600	1.37	1,488
1995	725,800	1.41	1,024
1996	476,300	1.71	815
1997	385,600	1.76	680
1998	250,000	1.72	430
1999	590,000	1.65	975
2000	293,180	1.65	480
2001	500,000	1.98	990
2002	340,000	1.87	640
2003	455,500	2.20	1,004

SOURCE: Canada Wild Rice Council, Manitoba Conservation

TABLE 97: Wild Rice (green basis) Continued

Year	Production	Producer Value	
		Price Per Pound	TOTAL
	(pounds)	$	($000)
1970	148,950	0.40	60
1971	499,826	0.50	250
1972	600,969	0.60	361
1973	627,184	0.70	439
1974	137,194	0.80	110
1975	142,466	0.90	128
1976	351,353	1.00	351
1977	1,154,360	1.31	1,512
1978	474,037	2.26	1,071
1979	597,575	2.13	1,273
1980	998,277	0.63	629
1981	452,816	1.56	706
1982	415,000	1.11	461
1983	336,661	1.48	497
1984	630,655	1.80	1,135
1985	644,815	1.05	677
1986	855,000	0.90	770
1987	1,650,000	0.57	940
1988	1,640,000	0.62	1,017
1989	1,200,000	0.75	900
1990	1,100,000	0.85	935
1991	1,300,000	0.80	1,040
1992	350,000	0.75	262
1993	80,000	0.80	64
1994	2,400,000	0.62	1,488
1995	1,600,000	0.64	1,024
1996	1,050,000	0.78	815
1997	850,000	0.80	680
1998	550,000	0.78	430
1999	1,300,000	0.75	975
2000	645,000	0.75	480
2001	1,100,000	0.90	990
2002	750,000	0.85	640
2003	1,004,244	1.00	1,004

SOURCE: Canada Wild Rice Council, Manitoba Conservation

TABLE 98: Historical Production and Value of Fodder Corn

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(tonnes)	(000 tonnes)	$	($000)
1960	10.9	11.93	130	8	1,001
1961	12.7	8.9	113	11	1,188
1962	15.6	15.1	236	8	1,820
1963	15.3	17.9	274	8	2,114
1964	19.8	11.2	222	7	1,470
1965	17.8	13.4	238	8	1,834
1966	15.0	13.8	207	8	1,596
1967	10.5	12.1	127	8	980
1968	11.9	12.8	152	8	1,176
1969	9.3	15.3	142	8	1,099
1970	8.1	13.5	109	8	840
1971	3.9	16.4	64	8	490
1972	8.9	16.3	145	11	1,600
1973	9.7	15.5	150	13	1,980
1974	11.3	16.9	191	15	2,940
1975	13.4	19.6	263	17	4,350
1976	13.4	19.0	254	17	4,200
1977	15.8	20.1	318	17	5,250
1978	17.0	21.3	363	19	6,800
1979	18.2	18.0	327	21	7,560
1980	30.4	12.5	381	32	12,180
1981	20.2	17.5	354	27	9,560
1982	31.2	15.4	481	25	12,020
1983	20.2	15.2	308	25	7,700
1984	18.2	13.5	245	28	6,860
1985	16.2	15.7	254	29	7,370
1986	12.9	21.1	272	28	7,620
1987	10.1	20.7	209	21	4,390
1988	10.1	14.4	145	31	4,500
1989	10.1	18.0	181	25	4,530
1990	8.1	22.4	181	21	3,800
1991	11.7	27.1	318	18	5,700
1992	6.1	15.6	95	16	1,520
1993	12.1	15.0	181	24	4,340
1994	12.1	26.2	318	25	7,940
1995	12.1	24.7	299	41	12,210
1996	12.1	22.5	272	30	8,170
1997	12.1	20.6	250	30	7,490
1998[R]	16.2	28.0	454	28	12,850
1999[R]	8.1	28.0	227	23	5,210
2000[R]	12.1	30.0	363	25	9,150
2001[R]	18.2	29.9	544	34	18,670
2002[R]	16.2	22.4	363	34	12,270
2003	24.3	26.1	635	27	17,250

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives

TABLE 98: Fodder Corn Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Ton	Total
	(000)	(tons)	(000 tons)	$	($000)
1960	26.9	5.32	143	7	1,001
1961	31.3	4.0	125	9	1,188
1962	38.5	6.7	260	7	1,820
1963	37.8	8.0	302	7	2,114
1964	49.0	5.0	245	6	1,470
1965	44.0	6.0	262	7	1,834
1966	37.1	6.2	228	7	1,596
1967	26.0	5.4	140	7	980
1968	29.5	5.7	168	7	1,176
1969	23.0	6.8	157	7	1,099
1970	20.0	6.0	120	7	840
1971	9.7	7.2	70	7	490
1972	22.0	7.3	160	10	1,600
1973	24.0	6.9	165	12	1,980
1974	28.0	7.5	210	14	2,940
1975	33.0	8.8	290	15	4,350
1976	33.0	8.5	280	15	4,200
1977	39.0	9.0	350	15	5,250
1978	42.0	9.5	400	17	6,800
1979	45.0	8.0	360	21	7,560
1980	75.0	5.6	420	29	12,180
1981	50.0	7.8	390	24	9,560
1982	77.0	6.9	530	23	12,020
1983	50.0	6.8	340	23	7,700
1984	45.0	6.0	270	25	6,860
1985	45.0	7.0	280	26	7,370
1986	32.0	9.4	300	25	7,620
1987	25.0	9.2	230	19	4,390
1988	25.0	6.4	160	28	4,500
1989	25.0	8.0	200	23	4,530
1990	20.0	10.0	200	19	3,800
1991	28.9	12.1	350	16	5,700
1992	15.0	7.0	105	14	1,520
1993	30.0	6.7	200	22	4,340
1994	30.0	11.7	350	23	7,940
1995	30.0	11.0	330	37	12,210
1996	30.0	10.0	300	27	8,170
1997	30.0	9.2	275	27	7,490
1998^R	40.0	12.5	500	26	12,850
1999^R	20.0	12.5	250	21	5,210
2000^R	30.0	13.3	400	23	9,150
2001^R	45.0	13.3	600	31	18,670
2002^R	40.0	10.0	400	31	12,270
2003	60.0	11.7	700	25	17,250

SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 99: Historical Production and Value of Tame Hay

Year	Harvested Hectares	Yield Per Hectare	Production	Farm Value	
				Price Per Tonne	Total
	(000)	(tonnes)	(000 tonnes)	$	($000)
1960	380	3.83	1,457	14	20,717
1961	410	2.00	820	19	15,820
1962	420	4.51	1,896	15	29,260
1963	410	4.13	1,694	17	28,005
1964	400	3.32	1,329	18	23,440
1965	390	3.80	1,481	18	26,928
1966	430	4.43	1,903	18	34,617
1967	430	3.37	1,451	19	28,000
1968	380	3.82	1,451	20	29,600
1969	400	4.31	1,724	18	31,350
1970	470	4.30	2,023	17	33,450
1971	440	4.33	1,905	18	34,650
1972	490	3.70	1,814	22	40,000
1973	490	4.07	1,996	33	66,000
1974	510	4.27	2,177	39	84,000
1975	510	4.45	2,268	41	92,500
1976	570	4.14	2,359	42	97,968
1977	570	4.14	2,359	41	97,500
1978	570	4.62	2,631	41	107,010
1979	550	4.29	2,359	50	117,936
1980	530	2.57	1,361	70	95,250
1981	510	4.45	2,268	60	136,080
1982	510	4.45	2,268	55	124,740
1983	526	4.14	2,177	55	119,740
1984	526	3.97	2,087	62	129,400
1985	546	3.99	2,177	63	136,720
1986	581	5.32	3,084	61	188,120
1987	627	4.63	2,903	48	139,340
1988	647	2.66	1,724	68	117,230
1989	668	3.94	2,631	56	147,340
1990	716	5.07	3,629	46	166,930
1991^{R}	738	5.07	3,538	36	127,370
1992	789	4.28	3,375	35	118,100
1993	769	3.90	2,966	65	192,820
1994	789	3.80	2,994	50	149,680
1995	801	2.60	2,086	55	115,000
1996^{R}	774	3.70	2,903	55	159,670
1997	769	1.90	1,452	65	94,350
1998^{R}	801	3.60	2,880	55	158,400
1999^{R}	801	3.93	3,152	55	173,360
2000^{R}	838	3.41	2,858	55	157,190
2001	896	3.49	3,130	60	187,790
2002	820	2.63	2,155	75	161,600
2003	860	2.48	2,132	70	149,230

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 99: Tame Hay Continued

Year	Harvested Acres	Yield Per Acre	Production	Farm Value	
				Price Per Ton	Total
	(000)	(tons)	(000 tons)	$	($000)
1960	934	1.72	1,606	13	20,717
1961	1,004	0.90	904	17	15,820
1962	1,045	2.00	2,090	14	29,260
1963	1,020	1.83	1,867	15	28,005
1964	990	1.48	1,465	16	23,440
1965	960	1.70	1,632	16	26,928
1966	1,065	1.97	2,098	16	34,617
1967	1,052	1.52	1,600	17	28,000
1968	940	1.70	1,600	18	29,600
1969	1,000	1.90	1,900	16	31,350
1970	1,160	1.92	2,230	15	33,450
1971	1,084	1.94	2,100	16	34,650
1972	1,200	1.67	2,000	20	40,000
1973	1,200	1.83	2,200	30	66,000
1974	1,250	1.92	2,400	35	84,000
1975	1,250	2.00	2,500	37	92,500
1976	1,400	1.86	2,600	38	97,968
1977	1,400	1.86	2,600	37	97,500
1978	1,400	2.07	2,900	37	107,010
1979	1,350	1.93	2,600	45	117,936
1980	1,300	1.15	1,500	63	95,250
1981	1,250	2.00	2,500	54	136,080
1982	1,250	2.00	2,500	50	124,740
1983	1,300	1.85	2,400	50	119,740
1984	1,300	1.77	2,300	56	129,400
1985	1,350	1.78	2,400	57	136,720
1986	1,435	2.37	3,400	55	188,120
1987	1,550	2.06	3,200	40	139,340
1988	1,600	1.19	1,900	62	117,230
1989	1,650	1.76	2,900	51	147,340
1990	1,770	2.26	4,000	42	166,930
1991[R]	1,823	2.26	3,900	33	127,370
1992	1,950	1.91	3,720	32	118,100
1993	1,900	1.70	3,270	59	192,820
1994	1,950	1.70	3,300	45	149,680
1995	1,980	1.20	2,300	50	115,000
1996[R]	1,913	1.70	3,200	50	159,670
1997	1,900	0.80	1,600	59	94,350
1998[R]	1,980	1.60	3,175	50	158,400
1999[R]	1,980	1.80	3,475	50	173,360
2000[R]	2,070	1.50	3,150	50	157,190
2001	2,215	1.60	3,450	54	187,790
2002	2,025	1.20	2,375	68	161,600
2003	2,125	1.10	2,350	64	149,230

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 100: Historical Production Value Summary of Horticultural Crops and Forage Seeds

Year	Potatoes	Vegetables, Fruits, Ornamentals	TOTAL HORTICULTURE	Forage Seeds
	thousand dollars			
1960	2,448	9,200	11,648	1,086
1961	1,802	9,090	10,892	1,254
1962	2,989	9,330	12,319	2,105
1963	2,765	10,125	12,890	1,503
1964	7,488	9,144	16,632	1,259
1965	7,077	8,861	15,938	2,162
1966	4,899	9,078	13,977	1,762
1967	5,626	10,055	15,681	1,238
1968	5,580	9,310	14,890	571
1969	7,296	9,669	16,965	1,524
1970	6,660	9,713	16,373	1,701
1971	7,257	10,632	17,889	1,684
1972	7,500	11,280	18,780	1,542
1973	9,240	11,375	20,615	5,199
1974	12,887	16,614	29,501	2,625
1975	17,460	17,468	34,928	2,031
1976	13,146	19,153	32,299	3,050
1977	20,185	18,252	38,437	3,828
1978	24,548	20,285	44,833	7,488
1979	22,440	21,786	44,226	8,312
1980	33,539	25,077	58,616	4,902
1981	36,140	26,561	62,701	6,681
1982	29,981	29,155	59,136	5,025
1983	28,440	27,187	55,627	7,371
1984	34,200	37,165	71,365	5,563
1985	37,852	35,796	73,648	6,162
1986	32,442	41,460	73,902	8,184
1987	50,256	40,903	91,159	14,093
1988	33,431	38,006	71,437	13,795
1989	36,828	38,936	75,764	11,255
1990	45,526	36,287	81,813	8,210
1991	50,292	38,282	88,574	4,800
1992	51,886	47,193	99,079	3,284
1993	52,078	46,500	98,578	2,431
1994	74,070	49,560	123,630	6,248
1995	77,770	55,300	133,070	8,310
1996	110,878	56,020	166,898	13,511
1997	125,217	53,620	178,837	14,909
1998	130,000	60,720	190,720	17,720
1999	125,000	60,580	185,580	17,910
2000	140,000	71,500	211,500	19,180
2001	129,100	70,300	199,400	13,460
2002	143,560	71,370	214,930	19,930
2003	180,310	64,267	244,578*	19,930**

* Incomplete data, total includes previous year's values for missing data (see Table 36).

** Assumes no change from previous year's value for 2003.

SOURCE: Statistics Canada; Peak of the Market, Vegetable Growers of Manitoba; Manitoba Forage Seed Association; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 101: Historical Production and Value of Potatoes

Year	Harvested Hectares*	Yield Per Hectare**	Marketings	Farm Value**	
				Price Per Tonne	Total
		(kilograms)	(tonnes)	$	($000)
1960	6,880	10,087	69,401	35.27	2,448
1961	8,215	4,236	34,791	51.81	1,802
1962	9,308	12,778	118,934	25.13	2,989
1963	8,013	11,769	94,303	29.32	2,765
1964	8,417	13,451	113,219	66.14	7,488
1965	9,065	13,115	118,889	59.52	7,077
1966	9,915	14,009	138,892	35.27	4,899
1967	10,724	12,264	131,544	42.77	5,626
1968	10,724	12,689	136,080	41.01	5,580
1969	11,736	14,684	172,368	42.33	7,296
1970	13,354	12,567	167,832	39.68	6,660
1971	13,233	14,054	185,976	39.02	7,257
1972	8,903	12,735	113,400	66.14	7,500
1973	12,140	16,440	199,584	46.30	9,240
1974	14,164	15,692	222,264	57.98	12,887
1975	12,950	15,762	204,120	85.54	17,460
1976	13,962	13,645	190,512	69.00	13,146
1977	14,974	16,661	249,480	80.90	20,185
1978	14,974	20,599	308,448	79.59	24,548
1979	14,974	18,830	281,958	79.59	22,440
1980	15,985	17,880	285,813	117.34	33,539
1981	16,552	18,830	311,669	115.96	36,140
1982	16,228	14,550	236,100	126.98	29,981
1983	16,633	12,800	212,900	133.58	28,440
1984	17,604	14,355	252,700	135.34	34,200
1985	17,240	17,440	300,700	125.88	37,852
1986	18,100	19,310	349,500	92.82	32,442
1987	18,400	19,210	353,500	142.17	50,256
1988	17,200	12,595	216,600	154.34	33,431
1989	18,600	11,735	218,300	168.70	36,828
1990	19,600	15,915	311,900	145.96	45,526
1991	18,200	17,780	323,600	155.41	50,292
1992	19,200	19,580	375,990	138.00	51,886
1993	19,400	17,280	335,280	155.30	52,078
1994	22,100	24,230	535,566	138.30	74,070
1995	24,300	19,120	464,613	167.40	77,770
1996	27,700	22,220	615,577	180.10	110,878
1997	28,500	23,655	674,171	185.70	125,217
1998	29,300	24,030	704,080	184.60	130,000
1999	29,500	22,790	672,355	185.90	125,000
2000	31,465	23,770	747,805	187.20	140,000
2001	30,570	22,085	675,125	191.20	129,100
2002	34,400	21,190	728,922	196.90	143,560
2003	41,080	22,990	944,445	190.30	180,310

* Harvested area from 1985, planted area prior to 1985.

** Based on marketed production from 1982.

SOURCE: Statistics Canada, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 101: Potatoes Continued

Year	Harvested Acres*	Yield Per Acre**	Marketings	Farm Value** Price Per Cwt	Farm Value** Total
		(cwt)	(000 cwt)	$	($000)
1960	17,000	90.0	1,530	1.60	2,448
1961	20,300	37.8	767	2.35	1,802
1962	23,000	114.0	2,622	1.14	2,989
1963	19,800	105.0	2,079	1.33	2,765
1964	20,800	120.0	2,496	3.00	7,488
1965	22,400	117.0	2,621	2.70	7,077
1966	24,500	125.0	3,062	1.60	4,899
1967	26,500	109.4	2,900	1.94	5,626
1968	26,500	113.2	3,000	1.86	5,580
1969	29,000	131.0	3,800	1.92	7,296
1970	33,000	112.1	3,700	1.80	6,660
1971	32,700	125.4	4,100	1.77	7,257
1972	22,000	113.6	2,500	3.00	7,500
1973	30,000	146.7	4,400	2.10	9,240
1974	35,000	140.0	4,900	2.63	12,887
1975	32,000	140.6	4,500	3.88	17,460
1976	34,500	121.7	4,200	3.13	13,146
1977	37,000	148.6	5,500	3.67	20,185
1978	37,000	183.8	6,800	3.61	24,548
1979	37,000	168.0	6,216	3.61	22,440
1980	39,500	159.5	6,301	5.32	33,539
1981	40,900	168.0	6,871	5.26	36,140
1982	40,100	129.8	5,205	5.76	29,981
1983	41,100	114.2	4,693	6.06	28,440
1984	43,500	128.0	5,570	6.14	34,200
1985	42,600	155.6	6,629	5.71	37,852
1986	44,700	172.4	7,706	4.21	32,442
1987	45,500	171.3	7,794	6.45	50,256
1988	42,500	112.4	4,776	7.00	33,431
1989	46,000	104.6	4,813	7.65	36,828
1990	48,500	141.8	6,875	6.62	45,526
1991	45,000	158.6	7,135	7.05	50,292
1992	47,500	174.5	8,289	6.26	51,886
1993	48,000	154.0	7,392	7.05	52,078
1994	54,500	216.6	11,807	6.27	74,070
1995	60,000	170.7	10,243	7.59	77,770
1996	68,500	198.1	13,571	8.17	110,878
1997	70,500	210.8	14,863	8.42	125,217
1998	72,500	214.1	15,522	8.38	130,000
1999	73,000	203.1	14,823	8.43	125,000
2000	77,750	212.0	16,486	8.49	140,000
2001	75,530	197.0	14,884	8.67	129,100
2002	85,000	189.0	16,070	8.93	143,560
2003	101,500	205.0	20,821	8.66	180,310

* Harvested area from 1985, planted area prior to 1985.

** Based on marketed production from 1982.

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 102: Historical Area and Marketings of Vegetables and Fruit

	1998		1999		2000		2001		2002		2003	
	Area Harvested (hectares)	Marketings (tonnes)	Area Harvested (hectares)	Marketings (tonnes)	Area Harvested (hectares)	Marketings (tonnes)	Area Harvested (hectares)	Marketings (tonnes)	Area Harvested (hectares)	Marketings (tonnes)	Area Harvested (hectares)	Marketings (tonnes)
Asparagus	45	181	45	145	47	161	49	159	47	152	X	X
Beans, green/wax	38	79	40	118	36	91	32	82	16	68	X	X
Beets	16	318	18	245	18	213	24	272	18	281	X	X
Broccoli	142	1,565	152	1,179	142	2,268	150	1,860	146	1,660	X	X
Cabbage (incl. Chinese)	174	4,536	162	4,491	186	2,495	172	4,989	170	4,989	140	2,282
Carrots*	267	8,255	306	8,618	299	8,165	291	8,618	297	7,938	312	7,760
Cauliflower	182	2,449	202	2,449	194	1,633	198	2,268	198	2,200	X	X
Celery (est)	40	1,089	49	680	49	726	51	1,678	49	1,089	X	X
Corn, sweet	336	2,722	283	1,406	271	2,041	324	3,175	304	1,814	212	1,422
Cucumbers & Gherkins	53	726	51	721	55	873	61	998	63	907	51	619
Garlic	*included in with Other Vegetables*											
Leeks	*included in with Other Vegetables*				2	14	*incl in Other Vegetables*				2	29
Lettuce	81	680	103	907	71	1,030	54	726	59	748	X	X
Onions:												
cooking, Spanish, red, etc.	158	4,989	166	6,350	172	6,350	206	8,165	214	6,622		
pickling	4	51	4	50	5	29	4	64	0	0		
sets (est.)	81	590	81	590	45	318	48	726	49	653		
Onions, Dry	*included in with cooking, Spanish, red, etc.*										198	6,931
Onions, Green	16	635	16	694	16	885	16	680	12	703	X	X
Parsnips	22	329	18	281	22	363	20	354	20	327	X	X
Peas, green (in shell) (est.)	49	61	28	23	28	32	32	109	16	27	X	X
Peppers	16	77	12	159	18	113	24	272	16	249	16	203
Pumpkins	24	458	32	540	26	567	18	816	26	590	38	560
Radishes	16	147	18	168	18	61	19	172	16	118	X	X
Rutabagas & Turnips	28	522	10	222	12	181	11	318	24	885	X	X
Spinach	2	5	*included in with Other Vegetables*									
Squash	20	252	22	200	16	204	26	885	38	408	32	386
Tomatoes (est)	10	70	8	64	10	45	12	227	12	48	12	34
Other Vegetables**	42	0	32	227	28	159	32	318	95	680	682	8,713
TOTAL VEGETABLES	**2,200**		**2,178**		**2,088**		**1,877**		**1,906**		**1,696**	
Apples	10	54	8	45	6	82	9	118	9	118	8	103
Raspberries	61	118	65	132	65	64	65	82	65	82	58	73
Saskatoons	77	113	49	59	53	64	87	136	101	159	105	165
Strawberries	198	1,134	202	1,157	182	680	182	680	182	680	132	492
Other Fruit	8	2	8	9	8	9	69	36	69	36	26	14
TOTAL FRUIT	**354**		**332**		**314**		**412**		**426**		**329**	

* Cleaned/washed and, in some cases, bagged product.

** Includes brussel sprouts, other Chinese vegetables, daikon, dillweed, eggplant, garlic, gourds, herbs, kale, kohlrabi, leeks, melons, parsley, rhubarb and spinach.

SOURCE: Statistics Canada, Peak of the Market, Vegetable Growers of Manitoba, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 102: Area and Marketings of Vegetables and Fruit Continued

	1998		1999		2000		2001		2002		2003	
	Area Harvested (acres)	Marketings (000 lbs)	Area Harvested (acres)	Marketings (000 lbs)	Area Harvested (acres)	Marketings (000 lbs)	Area Harvested (acres)	Marketings (000 lbs)	Area Harvested (acres)	Marketings (000 lbs)	Area Harvested (acres)	Marketings (000 lbs)
Asparagus	110	400	110	320	115	355	120	350	115	335	X	X
Beans, green/wax	95	175	100	260	90	200	80	180	40	150	X	X
Beets	40	700	45	540	45	470	60	600	45	620	X	X
Broccoli	350	3,450	375	2,600	350	5,000	370	4,100	360	3,660	X	X
Cabbage (incl Chinese)	430	10,000	400	9,900	460	5,500	425	11,000	420	11,000	345	5,030
Carrots*	660	18,200	755	19,000	740	18,000	720	19,000	735	17,500	770	17,109
Cauliflower	450	5,400	500	5,400	480	3,600	490	5,000	490	4,850	X	X
Celery (est)	100	2,400	120	1,500	120	1,600	125	3,700	120	2,400	X	X
Corn, sweet	830	6,000	700	3,100	670	4,500	800	7,000	750	4,000	525	3,135
Cucumbers & Gherkins	130	1,600	125	1,590	135	1,925	150	2,200	155	2,000	125	1,365
Garlic	*included in with Other Vegetables*											
Leeks	*in with Other Vegetables*		5	40	5	30	*included in with Other Vegetables*				5	65
Lettuce	200	1,500	255	2,000	175	2,270	134	1,600	145	1,650	X	X
Onions:												
cooking, Spanish, red, etc.	390	11,000	410	14,000	425	14,000	510	18,000	530	14,600		
pickling	10	113	10	110	13	65	10	140	0	0		
sets (est.)	200	1,300	200	1,300	110	700	118	1,600	120	1,440		
Onions, Dry	*included in with cooking, Spanish, red, etc.*										490	15,280
Onions, Green	40	1,400	40	1,530	40	1,950	40	1,500	30	1,550	X	X
Parsnips	55	725	45	620	55	800	50	780	50	720	X	X
Peas, green (in shell) (est.)	120	135	70	50	70	70	80	240	40	60	X	X
Peppers	40	170	30	350	45	250	60	600	40	550	40	447
Pumpkins	60	1,010	80	1,190	65	1,250	45	1,800	65	1,300	95	1,235
Radishes	40	325	45	370	45	135	48	380	40	260	X	X
Rutabagas & Turnips	70	1,150	25	490	30	400	27	700	60	1,950	X	X
Spinach	5	10	*included in with Other Vegetables*									
Squash	50	555	55	440	40	450	65	1,950	95	900	80	850
Tomatoes (est)	25	155	20	140	25	100	30	500	30	105	30	75
Other Vegetables**	105	0	80	500	70	350	80	700	235	1,500	1,685	19,209
TOTAL VEGETABLES	**5,435**		**5,380**		**5,160**		**4,637**		**4,710**		**4,190**	
Apples	25	120	20	100	15	180	22	260	22	260	20	226
Raspberries	150	260	160	290	160	140	160	180	160	180	143	160
Saskatoons	190	250	120	130	132	140	216	300	250	350	260	364
Strawberries	490	2,500	500	2,550	450	1,500	450	1,500	450	1,500	326	1,085
Other Fruit	20	5	20	20	20	20	170	80	170	80	65	30
TOTAL FRUIT	**875**		**820**		**777**		**1,018**		**1,052**		**814**	

* Cleaned/washed and, in some cases, bagged product.

** Includes brussel sprouts, dillweed, eggplant, garlic, gourds, kale, kohlrabi, daikon, other Chinese vegetables, herbs, melons, parsley, rhubarb and spinach.

SOURCE: Statistics Canada, Peak of the Market, Vegetable Growers of Manitoba, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 103: Historical Primary Elevator Storage Capacity at or About August 1, Manitoba

Year	Number	Total Capacity		Average Elevator Capacity	
		'000 tonnes	'000 bushels**	'000 tonnes	'000 bushels**
1960*	700	1,335.1	49,057	1.9	70.1
1961*	692	1,358.0	49,897	2.0	72.1
1962	684	1,331.8	48,935	1.9	71.5
1963	678	1,333.2	48,985	2.0	72.2
1964	677	1,360.1	49,975	2.0	73.8
1965	669	1,373.6	50,470	2.1	75.4
1966	651	1,363.3	50,095	2.1	77.0
1967	645	1,373.6	50,470	2.1	78.2
1968	642	1,408.1	51,740	2.2	80.6
1969	641	1,437.0	52,800	2.2	82.4
1970	642	1,459.0	53,610	2.3	83.5
1971	616	1,427.7	52,460	2.3	85.2
1972	574	1,348.9	49,560	2.3	86.3
1973	540	1,298.5	47,710	2.4	88.4
1974	523	1,278.8	46,985	2.4	89.8
1975	502	1,257.8	46,215	2.5	92.1
1976	480	1,239.2	45,535	2.6	94.9
1977	454	1,206.6	44,335	2.7	97.7
1978	446	1,216.4	44,695	2.7	100.2
1979	417	1,177.2	43,255	2.8	103.7
1980	405	1,173.1	43,105	2.9	106.4
1981	373	1,135.5	41,720	3.0	111.8
1982	361	1,142.6	41,980	3.2	116.3
1983	364	1,157.4	42,530	3.2	116.8
1984	309	1,131.0	41,555	3.7	134.5
1985	305	1,124.5	41,320	3.7	135.5
1986	292	1,114.8	40,965	3.8	140.3
1987	288	1,106.3	40,650	3.8	141.1
1988	284	1,104.5	40,580	3.9	142.9
1989	272	1,071.9	39,385	3.9	144.8
1990	264	1,110.1	40,790	4.2	154.5
1991	258	1,094.1	40,200	4.2	155.8
1992	256	1,086.5	39,920	4.2	155.9
1993	254	1,083.7	39,820	4.3	156.8
1994	251	1,072.4	39,405	4.3	157.0
1995	236	1,072.8	39,420	4.5	167.0
1996	220	1,040.3	38,225	4.7	173.8
1997	212	1,016.6	37,355	4.8	176.2
1998	209	1,063.6	39,080	5.1	187.0
1999	208	1,168.5	42,935	5.6	206.4
2000	196	1,251.1	45,970	6.4	234.5
2001	165	1,240.1	45,565	7.5	276.2
2002	100	992.2	36,455	9.9	364.6
2003	90	963.1	35,390	10.7	451.4

* May include non-licensed elevators.
** Wheat equivalent.
SOURCE: Canadian Grain Commission.

TABLE 104: Historical Marketings of Major Crops

Crop Year	Durum Wheat	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
	thousand tonnes								
1960-61	18.6	1,289.8	166.1	332.3	**1,788.2**	33.8	130.7	9.6	**1,962.3**
1961-62	12.7	887.9	81.8	178.7	**1,148.4**	17.7	83.4	7.8	**1,257.3**
1962-63	63.5	1,693.7	494.6	273.8	**2,462.1**	67.4	168.0	11.6	**2,709.1**
1963-64	50.8	1,379.0	222.1	186.3	**1,787.4**	36.2	202.4	14.7	**2,040.7**
1964-65	41.4	1,859.4	265.1	190.1	**2,314.6**	49.7	230.1	26.9	**2,621.3**
1965-66	20.5	1,876.7	338.6	285.2	**2,500.5**	65.0	355.4	45.5	**2,966.4**
1966-67	13.5	1,780.5	212.6	312.9	**2,306.0**	51.3	232.2	39.0	**2,628.5**
1967-68	29.5	1,762.3	238.4	296.5	**2,297.2**	47.7	120.4	41.3	**2,506.6**
1968-69	43.1	1,626.0	316.2	241.9	**2,184.1**	25.1	214.2	38.1	**2,461.5**
1969-70	58.6	1,419.7	150.3	588.0	**2,158.0**	48.8	210.7	63.8	**2,481.3**
1970-71	55.7	1,017.7	208.8	633.2	**1,859.7**	57.1	236.9	137.8	**2,291.5**
1971-72	86.1	1,556.8	199.1	1,192.8	**2,948.7**	81.3	116.7	194.7	**3,341.4**
1972-73	91.8	1,768.8	218.2	1,116.8	**3,103.8**	34.5	122.5	191.1	**3,451.9**
1973-74	47.7	1,669.6	216.8	1,002.9	**2,889.3**	35.3	156.4	145.2	**3,226.2**
1974-75	46.8	1,352.4	193.3	704.7	**2,250.4**	48.6	127.8	142.9	**2,569.7**
1975-76	98.2	1,744.3	256.0	631.5	**2,631.8**	75.0	193.3	208.8	**3,108.9**
1976-77	88.8	1,918.5	259.8	974.1	**3,152.4**	65.8	122.3	128.1	**3,468.6**
1977-78	53.7	2,517.5	283.4	1,164.7	**3,965.6**	62.9	262.8	257.0	**4,548.3**
1978-79	77.2	1,913.8	115.8	1,039.2	**3,068.8**	42.2	234.0	472.5	**3,817.5**
1979-80	108.6	2,448.0	38.6	920.5	**3,407.1**	94.2	367.9	471.8	**4,341.0**
1980-81	110.5	1,902.7	42.6	994.1	**2,939.4**	72.9	213.1	274.0	**3,499.4**
1981-82	168.8	2,811.3	84.7	1,354.2	**4,250.2**	133.5	201.9	312.8	**4,898.4**
1982-83	159.9	3,479.8	84.7	1,389.7	**4,954.2**	183.3	352.9	344.8	**5,835.2**
1983-84	122.6	3,029.4	78.8	1,232.2	**4,340.4**	157.1	284.8	304.4	**5,086.7**
1984-85	145.4	3,265.7	79.5	1,327.0	**4,672.2**	136.5	364.5	474.2	**5,647.4**
1985-86^{R}	277.0	4,836.2	100.5	1,581.9	**6,518.6**	86.2	452.8	536.5	**7,594.0**
1986-87	284.6	3,455.3	84.6	1,009.5	**4,549.4**	38.8	447.1	525.8	**5,561.1**
1987-88	176.8	3,465.9	107.6	893.9	**4,467.4**	50.0	334.1	493.6	**5,345.1**
1988-89	111.2	2,288.6	94.3	646.5	**3,029.4**	50.1	189.8	544.7	**3,814.1**
1989-90	211.8	3,760.4	98.7	787.0	**4,646.1**	123.3	176.4	365.9	**5,311.8**
1990-91	277.9	5,034.6	85.7	1,073.2	**6,193.6**	86.5	256.0	410.7	**6,946.8**
1991-92^{R}	218.4	4,217.7	78.7	688.3	**4,984.7**	45.2	257.0	683.8	**5,970.7**
1992-93	111.0	4,755.1	263.7	873.0	**5,891.8**	41.2	201.5	866.1	**7,000.5**
1993-94	98.1	3,152.5	270.4	641.8	**4,064.8**	31.6	253.4	846.4	**5,196.2**
1994-95^{R}	171.4	3,172.5	375.8	570.5	**4,118.9**	36.1	341.0	1,320.4	**5,816.0**
1995-96	98.4	2,831.2	379.3	507.1	**3,717.6**	50.1	355.4	1,131.0	**5,254.1**
1996-97	122.7	3,764.7	702.6	867.5	**5,334.9**	59.2	337.2	996.9	**6,728.2**
1997-98	87.9	2,946.7	475.3	576.4	**3,998.5**	52.7	369.2	1,411.8	**5,832.1**
1998-99	165.4	2,752.1	612.2	466.4	**3,830.6**	77.5	300.6	1,579.9	**5,788.6**
1999-2000	33.1	2,814.4	715.9	409.7	**3,940.0**	72.0	210.6	1,418.5	**5,641.0**
2000-01	74.7	3,771.6	790.5	792.3	**5,354.3**	55.5	194.5	1,584.3	**7,188.7**
2001-02	54.8	3,290.2	640.1	692.3	**4,622.7**	30.9	200.0	1,072.8	**5,926.5**
2002-03^{P}	39.0	3,059.0	798.1	419.6	**4,276.6**	35.0	186.6	1,450.2	**5,948.4**
2003-04	20.8	3,597.6	830.8	399.5	**4,827.9**	40.0	171.6	1,853.8	**6,893.4**

SOURCE: Statistics Canada; Canadian Grain Commission; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 104: Crop Marketings Continued

Crop Year	Durum Wheat	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
	thousand bushels								
1960-61	680	47,390	10,770	15,260	**73,420**	1,330	5,140	430	**80,320**
1961-62	470	32,630	5,300	8,210	**46,140**	700	3,280	340	**50,460**
1962-63	2,330	62,230	32,070	12,580	**106,880**	2,650	6,610	510	**116,650**
1963-64	1,870	50,670	14,400	8,560	**73,630**	1,420	7,970	650	**83,670**
1964-65	1,520	68,320	17,190	8,730	**94,240**	1,960	9,060	1,190	**106,450**
1965-66	750	68,960	21,950	13,100	**104,010**	2,560	13,990	2,010	**122,570**
1966-67	500	65,420	13,790	14,370	**93,580**	2,020	9,140	1,720	**106,460**
1967-68	1,080	64,760	15,460	13,620	**93,840**	1,880	4,740	1,820	**102,280**
1968-69	1,580	59,740	20,510	11,110	**91,360**	990	8,430	1,680	**102,460**
1969-70	2,150	52,170	9,740	27,010	**88,920**	1,920	8,300	2,820	**101,960**
1970-71	2,050	37,400	13,540	29,080	**80,020**	2,250	9,330	6,080	**97,680**
1971-72	3,160	57,200	12,910	54,780	**124,890**	3,200	4,590	8,590	**141,270**
1972-73	3,370	64,990	14,150	51,300	**130,440**	1,360	4,820	8,430	**145,050**
1973-74	1,750	61,350	14,060	46,070	**121,480**	1,390	6,160	6,400	**135,430**
1974-75	1,720	49,690	12,540	32,370	**94,600**	1,910	5,030	6,300	**107,840**
1975-76	3,610	64,090	16,600	29,010	**109,700**	2,950	7,610	9,210	**129,470**
1976-77	3,260	70,490	16,850	44,740	**132,080**	2,590	4,810	5,650	**145,130**
1977-78	1,970	92,500	18,380	53,490	**164,370**	2,480	10,350	11,330	**188,530**
1978-79	2,840	70,320	7,510	47,730	**125,560**	1,660	9,210	20,830	**157,260**
1979-80	3,990	89,950	2,500	42,280	**134,730**	3,710	14,480	20,800	**173,720**
1980-81	4,060	69,910	2,760	45,660	**118,330**	2,870	8,390	12,080	**141,670**
1981-82	6,200	103,300	5,490	62,200	**170,990**	5,260	7,950	13,790	**197,990**
1982-83	5,880	127,860	5,490	63,830	**197,180**	7,220	13,890	15,200	**233,490**
1983-84	4,500	111,310	5,110	56,590	**173,010**	6,180	11,210	13,420	**203,820**
1984-85	5,340	119,990	5,150	60,950	**186,090**	5,370	14,350	20,910	**226,720**
1985-86^R	10,180	177,700	6,520	72,660	**256,880**	3,390	17,820	23,650	**301,740**
1986-87	10,460	126,960	5,490	46,370	**178,820**	1,530	17,600	23,180	**221,130**
1987-88	6,490	127,350	6,980	41,060	**175,390**	1,970	13,150	21,760	**212,270**
1988-89	4,090	84,090	6,110	29,690	**119,890**	1,970	7,470	24,020	**153,350**
1989-90	7,780	138,170	6,400	36,140	**180,710**	4,860	6,950	16,130	**208,650**
1990-91	10,210	184,990	5,560	49,290	**239,840**	3,410	10,080	18,110	**271,440**
1991-92^R	8,020	154,980	5,100	31,610	**191,690**	1,780	10,120	30,140	**233,730**
1992-93	4,080	174,720	17,100	40,100	**231,920**	1,620	7,930	38,190	**279,660**
1993-94	3,600	115,840	17,540	29,480	**162,860**	1,240	9,980	37,320	**211,400**
1994-95^R	6,300	116,570	24,360	26,200	**167,130**	1,420	13,420	58,200	**240,170**
1995-96	3,620	104,030	24,590	23,290	**151,910**	1,970	13,990	49,870	**217,740**
1996-97	4,510	138,330	45,570	39,840	**223,740**	2,330	13,280	43,960	**283,310**
1997-98	3,230	108,270	30,820	26,470	**165,560**	2,070	14,530	62,260	**244,420**
1998-99	6,080	101,120	39,690	21,420	**162,230**	3,050	11,830	69,660	**246,770**
1999-2000	1,220	103,420	46,420	18,820	**168,660**	2,830	8,290	62,540	**242,320**
2000-01	2,740	138,580	51,260	36,390	**226,230**	2,180	7,660	69,860	**305,930**
2001-02	2,010	120,890	41,510	31,800	**194,200**	1,220	7,880	47,300	**250,600**
2002-03	1,430	112,400	51,750	19,270	**183,420**	1,380	7,350	63,940	**256,090**
2003-04^P	760	132,190	53,870	18,350	**204,410**	1,570	6,760	81,740	**294,480**

SOURCE: Statistics Canada; Canadian Grain Commission; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 105: Historical Quantities of Major Grain Stocks on Farms at July 31

Year	Wheat	Oats	Barley	Rye	Flax	Canola	TOTAL
	thousand tonnes						
1960	244.9	277.6	304.8	15.2	2.5		**845.1**
1961	353.8	323.9	239.5	7.6	5.1		**929.9**
1962	54.4	77.1	43.5	1.3	5.1		**181.4**
1963	163.3	200.5	65.3	0.8	2.5		**432.4**
1964	81.6	154.2	65.3	2.5	3.8		**307.4**
1965	190.5	246.8	43.5	10.2	2.5		**493.5**
1966	136.1	185.1	43.5	10.2	7.6		**382.5**
1967	190.5	123.4	65.3	7.6	2.5		**389.3**
1968	571.5	138.8	196.0	5.1	1.5		**912.9**
1969	1,088.6	385.6	435.5	25.4	5.1	2.3	**1,942.5**
1970	1,088.6	462.7	196.0	17.8	5.1	0.6	**1,770.8**
1971	517.1	138.8	108.9	15.2	21.6	0.0	**801.6**
1972	544.3	215.9	217.7	5.1	25.4	52.2	**1,060.6**
1973	136.1	123.4	174.2	2.5	2.5	1.1	**439.8**
1974	136.1	108.0	174.2	10.2	7.6	4.5	**440.6**
1975	54.4	61.7	65.3	15.2	15.2	6.8	**218.6**
1976	81.6	92.5	108.9	7.6	10.2	49.9	**350.7**
1977	571.5	154.2	87.1	2.5	12.7	4.5	**832.5**
1978	489.9	185.1	435.4	12.7	38.1	6.8	**1,168.0**
1979	1,115.8	123.4	544.3	50.8	66.0	65.8	**1,966.1**
1980	326.6	46.3	130.6	20.3	76.2	90.7	**690.7**
1981	55.0	30.0	65.0	8.0	13.0	46.0	**217.0**
1982	270.0	60.0	200.0	15.0	10.0	14.0	**569.0**
1983	110.0	110.0	375.0	25.0	45.0	10.0	**675.0**
1984	70.0	60.0	70.0	5.0	5.0	2.0	**212.0**
1985	40.0	50.0	70.0	10.0	3.0	5.0	**178.0**
1986	40.0	100.0	130.0	25.0	20.0	20.0	**335.0**
1987	540.0	80.0	160.0	25.0	50.0	10.0	**865.0**
1988	450.0	80.0	400.0	5.0	60.0	20.0	**1,015.0**
1989	75.0	25.0	85.0	0.0	10.0	45.0	**240.0**
1990	45.0	50.0	120.0	15.0	5.0	15.0	**250.0**
1991	480.0	90.0	170.0	35.0	75.0	10.0	**860.0**
1992	270.0	55.0	130.0	10.0	90.0	50.0	**605.0**
1993	525.0	80.0	250.0	5.0	55.0	20.0	**935.0**
1994	300.0	80.0	190.0	10.0	10.0	0.0	**590.0**
1995	90.0	80.0	170.0	5.0	15.0	20.0	**380.0**
1996	95.0	35.0	140.0	2.0	25.0	50.0	**347.0**
1997	140.0	90.0	300.0	0.0	10.0	50.0	**590.0**
1998	55.0	70.0	250.0	1.0	0.0	10.0	**386.0**
1999	90.0	150.0	250.0	30.0	25.0	80.0	**625.0**
2000^{R}	90.0	100.0	180.0	20.0	55.0	250.0	**695.0**
2001^{R}	250.0	120.0	250.0	10.0	35.0	110.0	**775.0**
2002^{R}	80.0	50.0	150.0	10.0	20.0	90.0	**400.0**
2003^{R}	55.0	70.0	150.0	5.0	15.0	50.0	**345.0**
2004	85.0	100.0	200.0	3.0	5.0	45.0	**438.0**

SOURCE: Statistics Canada.

TABLE 105: Major Grain Stocks Continued

Year	Wheat	Oats	Barley	Rye	Flax	Canola	TOTAL
	million bushels						
1960	9.00	18.00	14.00	0.60	0.10		**41.70**
1961	13.00	21.00	11.00	0.30	0.20		**45.50**
1962	2.00	5.00	2.00	0.05	0.20		**9.25**
1963	6.00	13.00	3.00	0.03	0.10		**22.13**
1964	3.00	10.00	3.00	0.10	0.15		**16.25**
1965	7.00	16.00	2.00	0.40	0.10		**25.50**
1966	5.00	12.00	2.00	0.40	0.30		**19.70**
1967	7.00	8.00	3.00	0.30	0.10		**18.40**
1968	21.00	9.00	9.00	0.20	0.06		**39.26**
1969	40.00	25.00	20.00	1.00	0.20	0.10	**86.30**
1970	40.00	30.00	9.00	0.70	0.20	0.03	**79.93**
1971	19.00	9.00	5.00	0.60	0.85	0.00	**34.45**
1972	20.00	14.00	10.00	0.20	1.00	2.30	**47.50**
1973	5.00	8.00	8.00	0.10	0.10	0.05	**21.25**
1974	5.00	7.00	8.00	0.40	0.30	0.20	**20.90**
1975	2.00	4.00	3.00	0.60	0.60	0.30	**10.50**
1976	3.00	6.00	5.00	0.30	0.40	2.20	**16.90**
1977	21.00	10.00	4.00	0.10	0.50	0.20	**35.80**
1978	18.00	12.00	20.00	0.50	1.50	0.30	**52.30**
1979	41.00	8.00	25.00	2.00	2.60	2.90	**81.50**
1980	12.00	3.00	6.00	0.80	3.00	4.00	**28.80**
1981	2.02	1.95	2.99	0.31	0.51	2.03	**9.81**
1982	9.92	3.89	9.19	0.59	0.39	0.62	**24.60**
1983	4.04	7.13	17.22	0.98	1.77	0.44	**31.58**
1984	2.57	3.89	3.22	0.20	0.20	0.09	**10.17**
1985	1.47	3.24	3.22	0.39	0.12	0.22	**8.66**
1986	1.47	6.48	5.97	0.98	0.79	0.88	**16.57**
1987	19.84	5.19	7.35	0.98	1.97	0.44	**35.77**
1988	16.53	5.19	18.37	0.20	2.36	0.88	**43.53**
1989	2.76	1.62	3.90	0.00	0.39	1.98	**10.65**
1990	1.65	3.24	5.51	0.59	0.20	0.66	**11.86**
1991	17.64	5.84	7.81	1.38	2.95	0.44	**36.05**
1992	9.92	3.57	5.97	0.39	3.54	2.20	**25.60**
1993	19.29	5.19	11.48	0.20	2.17	0.88	**39.20**
1994	11.02	5.19	8.73	0.39	0.39	0.00	**25.72**
1995	3.31	5.19	7.81	0.20	0.59	0.88	**17.97**
1996	3.49	2.27	6.43	0.08	0.98	2.20	**15.46**
1997	5.14	5.84	13.78	0.00	0.39	2.20	**27.36**
1998	2.02	4.54	11.48	0.04	0.00	0.44	**18.52**
1999	3.31	9.73	11.48	1.18	0.98	3.53	**30.21**
2000^R	3.31	6.48	8.27	0.79	2.17	11.02	**32.03**
2001^R	9.19	7.78	11.48	0.39	1.38	4.85	**35.07**
2002^R	2.94	3.24	6.89	0.39	0.79	3.97	**18.22**
2003^R	2.02	4.54	6.89	0.20	0.59	2.20	**16.44**
2004	3.12	6.48	9.19	0.12	0.20	1.98	**21.09**

SOURCE: Statistics Canada

TABLE 106: Historical Quantities of Grain Used On-Farm for Feed

(includes waste and dockage, excludes seed)

Crop Year	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
1960-61	274.0	605.0	235.0	**1,114.0**				
1961-62	209.0	469.0	192.0	**870.0**				
1962-63	240.0	1,142.0	142.0	**1,524.0**				
1963-64	222.0	720.0	145.0	**1,087.0**				
1964-65	209.0	712.0	161.0	**1,082.0**				
1965-66	192.0	809.0	167.0	**1,168.0**				
1966-67	167.0	777.0	244.0	**1,188.0**				
1967-68	167.0	777.0	244.0	**1,188.0**				
1968-69	229.0	630.0	415.0	**1,274.0**				
1969-70	262.0	791.0	472.0	**1,525.0**				
1970-71	278.0	880.0	539.0	**1,697.0**				
1971-72	330.9	853.2	672.2	**1,856.3**	10.1	20.5	23.6	**1,910.5**
1972-73	403.0	672.6	704.5	**1,780.1**	12.4	39.6	51.5	**1,883.6**
1973-74	319.3	726.5	742.0	**1,787.8**	8.0	20.8	24.2	**1,840.8**
1974-75	208.4	473.4	502.5	**1,184.3**	5.8	18.9	45.2	**1,254.2**
1975-76	206.5	440.1	381.0	**1,027.6**	5.8	17.1	30.8	**1,081.3**
1976-77	264.2	580.5	438.8	**1,283.5**	4.2	21.9	17.6	**1,327.2**
1977-78	174.0	551.3	473.0	**1,198.3**	7.4	28.7	27.7	**1,262.1**
1978-79	176.4	560.2	652.4	**1,389.0**	14.9	33.4	42.5	**1,479.8**
1979-80	256.7	325.5	682.6	**1,264.8**	11.0	52.4	67.5	**1,395.7**
1980-81	125.4	226.6	558.0	**910.0**	8.1	48.3	63.9	**1,030.3**
1981-82	147.3	325.2	769.4	**1,241.9**	27.4	46.7	22.7	**1,338.7**
1982-83	205.9	368.0	745.6	**1,319.5**	13.1	35.7	55.4	**1,423.7**
1983-84	251.1	349.1	597.4	**1,197.6**	12.8	33.5	96.8	**1,340.7**
1984-85	321.8	342.8	544.8	**1,209.4**	47.2	57.8	63.6	**1,378.0**
1985-86	182.1	326.2	824.7	**1,333.0**	63.6	69.9	80.5	**1,547.1**
1986-87	299.0	371.5	745.8	**1,416.3**	16.4	54.3	48.3	**1,535.3**
1987-88	369.2	302.8	745.9	**1,417.9**	12.2	42.7	58.6	**1,531.4**
1988-89	245.3	170.6	716.2	**1,132.1**	1.9	27.5	62.0	**1,223.4**
1989-90	212.7	189.9	665.2	**1,067.8**	54.0	33.4	47.1	**1,202.2**
1990-91	189.6	199.9	786.1	**1,175.5**	47.6	43.4	50.9	**1,317.4**
1991-92	573.9	158.0	735.8	**1,467.7**	38.3	51.2	67.5	**1,624.7**
1992-93	583.0	245.1	531.7	**1,359.8**	27.6	31.0	144.9	**1,563.4**
1993-94	537.6	196.3	618.1	**1,351.9**	5.2	22.5	73.1	**1,452.7**
1994-95	565.8	260.6	732.8	**1,559.1**	4.5	20.6	138.0	**1,722.2**
1995-96	391.6	252.8	793.1	**1,437.5**	3.7	27.8	61.3	**1,530.3**
1996-97	403.9	270.2	1,032.1	**1,706.1**	5.7	23.6	64.1	**1,799.5**
1997-98[r]	352.2	244.6	1,110.3	**1,707.0**	4.8	34.0	116.8	**1,862.7**
1998-99	299.4	309.1	1,124.8	**1,733.4**	7.7	25.3	145.6	**1,912.0**
1999-2000	179.4	154.6	828.5	**1,162.6**	12.4	23.0	112.2	**1,310.2**
2000-01	169.1	173.3	716.0	**1,058.5**	8.6	22.7	37.8	**1,127.5**
2001-02[r]	166.5	136.8	601.1	**904.3**	5.3	6.3	74.6	**990.4**
2002-03[r]	174.3	163.0	715.0	**1,052.4**	6.3	25.7	11.1	**1,095.5**
2003-04	397.1	201.3	880.7	**1,479.1**	11.3	27.4	0.0	**1,517.7**

NOTE: May not add due to rounding.
SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 106: Grain Used On-Farm for Feed Continued

Crop Year	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
	thousand bushels							
1960-61	10,090	39,200	10,800	**60,080**				
1961-62	7,690	30,430	8,840	**46,950**				
1962-63	8,820	74,040	6,500	**89,360**				
1963-64	8,160	46,710	6,640	**61,500**				
1964-65	7,680	46,170	7,380	**61,230**				
1965-66	7,060	52,460	7,660	**67,170**				
1966-67	6,150	50,390	11,210	**67,750**				
1967-68	6,030	45,740	11,610	**63,380**				
1968-69	8,430	40,860	19,060	**68,340**				
1969-70	9,630	51,300	21,700	**82,630**				
1970-71	10,200	57,080	24,750	**92,030**				
1971-72	12,160	55,320	30,870	**98,350**	400	810	1,040	**100,600**
1972-73	14,810	43,610	32,360	**90,780**	490	1,560	2,270	**95,100**
1973-74	11,730	47,110	34,080	**92,920**	310	820	1,070	**95,120**
1974-75	7,660	30,700	23,080	**61,440**	230	740	1,990	**64,400**
1975-76	7,590	28,540	17,500	**53,630**	230	670	1,360	**55,890**
1976-77	9,710	37,640	20,150	**67,500**	170	860	780	**69,310**
1977-78	6,390	35,750	21,720	**63,860**	290	1,130	1,220	**66,500**
1978-79	6,480	36,320	29,960	**72,760**	590	1,310	1,870	**76,530**
1979-80	9,430	21,110	31,350	**61,890**	430	2,060	2,980	**67,360**
1980-81	4,610	14,690	25,630	**44,930**	320	1,900	2,820	**49,970**
1981-82	5,410	21,090	35,340	**61,840**	1,080	1,840	1,000	**65,760**
1982-83	7,570	23,860	34,240	**65,670**	520	1,410	2,440	**70,040**
1983-84	9,230	22,640	27,440	**59,310**	500	1,320	4,270	**65,400**
1984-85	11,820	22,230	25,020	**59,070**	1,860	2,280	2,800	**66,010**
1985-86	6,690	21,150	37,870	**65,710**	2,510	2,760	3,550	**74,530**
1986-87	10,990	24,080	34,250	**69,320**	640	2,140	2,130	**74,230**
1987-88	13,570	19,630	34,250	**67,450**	480	1,680	2,590	**72,200**
1988-89	9,020	11,070	32,900	**52,990**	80	1,080	2,730	**56,880**
1989-90	7,820	12,310	30,560	**50,690**	2,120	1,310	2,080	**56,200**
1990-91	6,970	12,960	36,110	**56,040**	1,870	1,710	2,240	**61,850**
1991-92	21,080	10,250	33,800	**65,130**	1,510	2,010	2,990	**71,630**
1992-93	21,420	15,890	24,420	**61,730**	1,090	1,220	6,390	**70,430**
1993-94	19,750	12,720	28,390	**60,860**	210	880	3,220	**65,170**
1994-95	20,790	16,900	33,660	**71,350**	180	810	6,100	**78,430**
1995-96	14,390	16,400	36,430	**67,220**	150	1,100	2,700	**71,160**
1996-97	14,840	17,510	47,410	**79,760**	220	920	2,820	**83,730**
1997-98	12,940	15,860	51,000	**79,800**	190	1,340	5,140	**86,480**
1998-99	11,000	20,050	51,660	**82,710**	300	1,000	6,420	**90,440**
1999-2000	6,580	10,020	38,050	**54,650**	490	910	4,950	**61,010**
2000-01	6,220	11,240	32,890	**50,350**	340	890	1,660	**53,240**
2001-02^{R}	6,120	8,860	27,610	**42,590**	200	240	3,290	**46,320**
2002-03^{R}	6,400	10,570	32,840	**49,810**	250	1,010	490	**51,560**
2003-04	14,590	13,050	40,450	**68,090**	450	1,070	0	**69,610**

NOTE: May not add due to rounding.
SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 107: Historical Quantities of Grain Used On-Farm for Seed

Crop Year	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
1960-61	123.0	48.0	22.0	**193.0**	2.0	13.0	0.1	**208.1**
1961-62	128.0	66.0	21.0	**215.0**	4.0	11.0	0.1	**230.1**
1962-63	133.0	60.0	20.0	**213.0**	3.0	14.0	0.1	**230.1**
1963-64	143.0	60.0	17.0	**220.0**	4.0	17.0	0.3	**241.3**
1964-65	137.0	56.0	20.0	**213.0**	4.0	23.0	0.5	**240.5**
1965-66	137.0	56.0	29.0	**222.0**	3.0	19.0	0.5	**244.5**
1966-67	148.0	59.0	32.0	**239.0**	4.0	11.0	0.5	**254.5**
1967-68	143.0	58.0	39.0	**240.0**	4.0	14.0	0.3	**258.3**
1968-69	105.0	56.0	40.0	**201.0**	5.0	19.0	0.6	**225.6**
1969-70	59.0	46.0	50.0	**155.0**	4.0	19.0	1.3	**179.3**
1970-71	106.0	51.0	69.0	**226.0**	4.0	10.0	1.9	**241.9**
1971-72	99.1	42.6	73.2	**214.9**	2.5	8.9	1.7	**228.0**
1972-73	114.3	49.7	73.2	**237.2**	2.5	10.7	1.3	**251.7**
1973-74	106.7	44.1	62.1	**212.9**	3.1	10.7	1.8	**228.5**
1974-75	126.6	42.6	55.7	**224.9**	3.6	13.3	2.4	**244.2**
1975-76	144.8	44.1	53.9	**242.8**	2.8	8.0	0.8	**254.4**
1976-77	130.6	39.0	67.9	**237.5**	3.4	24.3	1.8	**267.0**
1977-78	138.8	28.4	61.0	**228.2**	3.8	13.3	3.3	**248.6**
1978-79	114.3	17.7	50.5	**182.5**	4.2	13.3	4.3	**204.3**
1979-80	125.7	21.3	73.2	**220.2**	5.2	22.2	2.5	**250.1**
1980-81	148.6	24.8	81.9	**255.3**	6.0	14.2	1.9	**277.4**
1981-82	152.4	23.1	71.4	**246.9**	7.2	12.4	2.7	**269.2**
1982-83	175.3	21.3	62.7	**259.3**	6.7	16.0	3.0	**285.0**
1983-84	169.6	23.1	64.4	**257.1**	7.0	13.3	3.8	**281.2**
1984-85	184.8	19.5	66.2	**270.5**	7.1	18.7	3.2	**299.5**
1985-86^R	207.7	17.3	59.4	**284.4**	2.5	19.3	3.0	**309.2**
1986-87^R	204.0	18.9	65.4	**288.3**	2.2	14.7	2.9	**308.1**
1987-88^R	200.9	21.4	57.9	**280.2**	3.5	12.0	4.8	**300.5**
1988-89^R	222.6	21.4	62.7	**306.7**	8.9	13.0	3.3	**331.9**
1989-90^R	229.1	16.4	58.6	**304.1**	5.8	13.7	2.6	**326.2**
1990-91^R	225.2	13.7	50.2	**289.1**	3.4	11.6	3.8	**307.9**
1991-92^R	224.7	20.4	42.0	**287.1**	2.5	7.0	4.8	**301.4**
1992-93^R	214.6	21.4	42.9	**278.9**	2.2	10.8	5.6	**297.5**
1993-94^R	172.2	26.8	41.1	**240.1**	1.4	13.0	7.7	**262.2**
1994-95^R	168.3	26.8	44.8	**239.9**	2.5	14.6	7.1	**264.1**
1995-96^R	176.9	37.5	57.9	**272.3**	2.5	10.7	4.7	**290.2**
1996-97^R	162.9	28.6	52.3	**243.8**	3.1	12.4	7.2	**266.5**
1997-98^R	136.3	35.7	48.5	**220.5**	3.7	13.2	8.3	**245.7**
1998-99^R	133.2	28.9	39.6	**201.7**	2.6	9.8	7.5	**221.6**
1999-2000^R	164.5	33.9	46.7	**245.1**	1.8	8.2	7.1	**262.2**
2000-01^R	165.3	32.5	43.7	**241.5**	1.8	8.5	5.7	**257.5**
2001-02^R	143.9	41.1	41.1	**226.1**	1.5	8.1	6.6	**242.3**
2002-03^R	146.9	36.8	41.1	**224.8**	1.8	7.3	7.5	**241.4**
2003-04	137.8	32.9	41.5	**212.2**	1.5	6.6	8.0	**228.3**

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives

TABLE 107: Grain Used On-Farm for Seed Continued

Crop Year	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
	thousand bushels							
1960-61	4,510	3,100	1,000	**8,610**	90	500	4	**9,204**
1961-62	4,710	4,270	960	**9,940**	140	440	5	**10,525**
1962-63	4,880	3,860	900	**9,640**	110	550	10	**10,310**
1963-64	5,240	3,890	760	**9,890**	150	680	10	**10,730**
1964-65	5,020	3,630	920	**9,570**	150	900	20	**10,640**
1965-66	5,040	3,640	1,340	**10,020**	120	740	20	**10,900**
1966-67	5,450	3,810	1,490	**10,750**	160	440	20	**11,370**
1967-68	5,270	3,760	1,790	**10,820**	140	550	10	**11,520**
1968-69	3,870	3,640	1,840	**9,350**	190	730	30	**10,300**
1969-70	2,170	3,000	2,300	**7,470**	150	730	60	**8,410**
1970-71	3,900	3,320	3,150	**10,370**	150	380	80	**10,980**
1971-72	3,640	2,760	3,360	**9,760**	100	350	70	**10,280**
1972-73	4,200	3,220	3,360	**10,780**	100	420	60	**11,360**
1973-74	3,920	2,860	2,850	**9,630**	120	420	80	**10,250**
1974-75	4,650	2,760	2,560	**9,970**	140	520	110	**10,740**
1975-76	5,320	2,860	2,480	**10,660**	110	310	40	**11,120**
1976-77	4,800	2,530	3,120	**10,450**	130	960	80	**11,620**
1977-78	5,100	1,840	2,800	**9,740**	150	520	150	**10,560**
1978-79	4,200	1,150	2,320	**7,670**	170	520	190	**8,550**
1979-80	4,620	1,380	3,360	**9,360**	200	870	110	**10,540**
1980-81	5,460	1,610	3,760	**10,830**	240	560	80	**11,710**
1981-82	5,600	1,500	3,280	**10,380**	280	490	120	**11,270**
1982-83	6,440	1,380	2,880	**10,700**	260	630	130	**11,720**
1983-84	6,230	1,500	2,960	**10,690**	280	520	170	**11,660**
1984-85	6,790	1,260	3,040	**11,090**	280	740	140	**12,250**
1985-86	7,630	1,120	2,730	**11,480**	100	760	130	**12,470**
1986-87	7,500	1,230	3,000	**11,730**	90	580	130	**12,520**
1987-88	7,380	1,390	2,660	**11,430**	140	470	210	**12,250**
1988-89	8,180	1,390	2,880	**12,450**	350	510	150	**13,450**
1989-90	8,420	1,060	2,690	**12,170**	230	540	110	**13,060**
1990-91	8,270	890	2,310	**11,470**	130	460	170	**12,230**
1991-92	8,260	1,320	1,930	**11,510**	100	280	210	**12,090**
1992-93	7,890	1,390	1,970	**11,250**	90	430	250	**12,000**
1993-94	6,330	1,740	1,890	**9,960**	60	510	340	**10,860**
1994-95	6,180	1,740	2,060	**9,980**	100	570	310	**10,970**
1995-96	6,500	2,430	2,660	**11,590**	100	420	210	**12,320**
1996-97	5,990	1,850	2,400	**10,240**	120	490	320	**11,170**
1997-98	5,008	2,315	2,228	**9,551**	146	520	366	**10,582**
1998-99	4,894	1,874	1,819	**8,587**	102	386	331	**9,406**
1999-2000	6,044	2,198	2,145	**10,387**	71	323	313	**11,094**
2000-01	6,074	2,107	2,007	**10,188**	71	335	251	**10,845**
2001-02	5,287	2,665	1,888	**9,840**	59	319	291	**10,509**
2002-03^{R}	5,398	2,386	1,888	**9,672**	71	287	331	**10,360**
2003-04	5,063	2,133	1,906	**9,103**	59	260	353	**9,774**

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 108: Historical Farm Supply and Disposition of Major Crops

1997/98	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1	10.0	140.0	90.0	300.0	0.0	10.0	50.0	590.0
Production	106.1	3,350.2	735.6	1,685.2	62.2	406.4	1,496.9	7,736.5
TOTAL SUPPLY	**116.1**	**3,490.2**	**825.6**	**1,985.2**	**62.2**	**416.4**	**1,546.9**	**8,326.5**
DISPOSITION								
Marketings	87.9	2,946.7	475.3	576.4	52.7	369.2	1,411.8	5,832.1
Seed Requirements	9.1	136.3	35.7	48.5	3.7	13.2	8.3	245.7
Feed, Waste & Dockage	14.1	352.2	244.6	1,110.3	4.8	34.0	116.8	1,862.7
Carryover, July 31	5.0	55.0	70.0	250.0	1.0	0.0	10.0	386.0
TOTAL DISPOSITION	**116.1**	**3,490.2**	**825.6**	**1,985.2**	**62.2**	**416.4**	**1,546.9**	**8,326.5**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1	367	5,144	5,836	13,779	0	394	2,205	27,357
Production	3,899	123,100	47,698	77,400	2,449	16,000	66,000	332,646
TOTAL SUPPLY	**4,266**	**128,244**	**53,534**	**91,178**	**2,449**	**16,392**	**68,206**	**360,003**
DISPOSITION								
Marketings	3,230	108,270	30,820	26,470	2,070	14,530	62,260	244,420
Seed Requirements	334	5,008	2,315	2,228	146	520	366	10,582
Feed, Waste & Dockage	518	12,945	15,860	50,998	194	1,343	5,139	86,478
Carryover, July 31	184	2,021	4,539	11,482	39	0	441	18,522
TOTAL DISPOSITION	**4,266**	**128,244**	**53,534**	**91,178**	**2,449**	**16,392**	**68,206**	**360,003**

NOTE: May not add due to rounding.
SOURCE: Statistics Canada.

1998/99	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1	5.0	55.0	70.0	250.0	1.0	0.0	10.0	386.0
Production	190.5	3,219.7	1,030.2	1,630.8	116.8	360.7	1,803.0	8,161.2
TOTAL SUPPLY	**195.5**	**3,274.7**	**1,100.2**	**1,880.8**	**117.8**	**360.7**	**1,813.0**	**8,547.2**
DISPOSITION								
Marketings	165.4	2,752.1	612.2	466.4	77.5	300.6	1,579.9	5,788.6
Seed Requirements	1.8	133.2	28.9	39.6	2.6	9.8	7.5	221.6
Feed, Waste & Dockage	18.3	299.4	309.1	1,124.8	7.7	25.3	145.6	1,912.0
Carryover, July 31	10.0	90.0	150.0	250.0	30.0	25.0	80.0	625.0
TOTAL DISPOSITION	**195.5**	**3,274.7**	**1,100.2**	**1,880.8**	**117.8**	**360.7**	**1,813.0**	**8,547.2**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1	184	2,021	4,539	11,482	39	0	441	18,522
Production	7,000	118,300	66,800	74,900	4,600	14,200	79,500	358,298
TOTAL SUPPLY	**7,183**	**120,326**	**71,339**	**86,383**	**4,637**	**14,200**	**79,939**	**376,824**
DISPOSITION								
Marketings	6,080	101,120	39,690	21,420	3,050	11,830	69,660	246,770
Seed Requirements	66	4,894	1,874	1,819	102	386	331	9,406
Feed, Waste & Dockage	670	11,004	20,049	51,662	304	1,000	6,421	90,440
Carryover, July 31	367	3,307	9,726	11,482	1,181	984	3,527	30,208
TOTAL DISPOSITION	**7,183**	**120,326**	**71,339**	**86,383**	**4,637**	**14,200**	**79,939**	**376,824**

NOTE: May not add due to rounding.
SOURCE: Statistics Canada.

TABLE 108: Supply and Disposition Continued

1999/2000	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1	10.0	90.0	150.0	250.0	30.0	25.0	80.0	625.0
Production	35.4	3,158.3	854.4	1,214.9	76.2	271.8	1,707.8	7,283.4
TOTAL SUPPLY	**45.4**	**3,248.3**	**1,004.4**	**1,464.9**	**106.2**	**296.8**	**1,787.8**	**7,908.4**
DISPOSITION								
Marketings	33.1	2,814.4	715.9	409.7	72.0	210.6	1,418.5	5,641.0
Seed Requirements	5.9	164.5	33.9	46.7	1.8	8.2	7.1	262.2
Feed, Waste & Dockage	6.4	179.4	154.6	828.5	12.4	23.0	112.2	1,310.2
Carryover, July 31	0.0	90.0	100.0	180.0	20.0	55.0	250.0	695.0
TOTAL DISPOSITION	**45.4**	**3,248.3**	**1,004.4**	**1,464.9**	**106.2**	**296.8**	**1,787.8**	**7,908.4**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1	367	3,307	9,726	11,482	1,181	984	3,527	30,208
Production	1,300	116,050	55,400	55,800	3,000	10,700	75,300	316,250
TOTAL SUPPLY	**1,668**	**119,356**	**65,127**	**67,281**	**4,181**	**11,684**	**78,828**	**346,457**
DISPOSITION								
Marketings	1,220	103,420	46,420	18,820	2,830	8,290	62,540	242,320
Seed Requirements	217	6,044	2,198	2,145	71	323	313	11,094
Feed, Waste & Dockage	231	6,584	10,025	38,049	493	906	4,952	61,009
Carryover, July 31	0	3,307	6,484	8,267	787	2,165	11,023	32,034
TOTAL DISPOSITION	**1,668**	**119,356**	**65,127**	**67,281**	**4,181**	**11,684**	**78,828**	**346,457**

NOTE: May not add due to rounding

SOURCE: Statistics Canada.

2000/2001	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseec	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1	-	90.0	100.0	180.0	20.0	55.0	250.0	695.0
Production	141.5	4,266.0	1,016.3	1,622.0	55.9	205.7	1,487.8	8,653.7
TOTAL SUPPLY	**141.5**	**4,356.0**	**1,116.3**	**1,802.0**	**75.9**	**260.7**	**1,737.8**	**9,348.7**
DISPOSITION								
Marketings	74.7	3,771.6	790.5	792.3	55.5	194.5	1,584.3	7,188.7
Seed Requirements	2.3	165.3	32.5	43.7	1.8	8.5	5.7	257.5
Feed, Waste & Dockage	14.5	169.1	173.3	716.0	8.6	22.7	37.8	1,127.5
Carryover, July 31	50.0	250.0	120.0	250.0	10.0	35.0	110.0	775.0
TOTAL DISPOSITION	**141.5**	**4,356.0**	**1,116.3**	**1,802.0**	**75.9**	**260.7**	**1,737.8**	**9,348.7**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1	0	3,307	6,484	8,267	787	2,165	11,023	32,034
Production	5,200	156,750	65,900	74,500	2,200	8,100	65,600	373,050
TOTAL SUPPLY	**5,200**	**160,057**	**72,384**	**82,767**	**2,987**	**10,265**	**76,623**	**405,084**
DISPOSITION								
Marketings	2,740	138,580	51,260	36,390	2,180	7,660	69,860	305,930
Seed Requirements	85	6,074	2,107	2,007	71	335	251	10,845
Feed, Waste & Dockage	538	6,217	11,236	32,888	343	893	1,662	53,238
Carryover, July 31	1,837	9,186	7,781	11,482	394	1,378	4,850	35,071
TOTAL DISPOSITION	**5,200**	**160,057**	**72,384**	**82,767**	**2,987**	**10,265**	**76,623**	**405,084**

Note: May not add due to rounding.

SOURCE: Statistics Canada.

TABLE 108: Supply and Disposition Continued

2001/2002	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseec	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1	50.0	250.0	120.0	250.0	10.0	35.0	110.0	775.0
Production	42.2	3,430.6	748.0	1,234.5	37.7	199.4	1,134.0	6,784.2
TOTAL SUPPLY	**92.2**	**3,680.6**	**868.0**	**1,484.5**	**47.7**	**234.4**	**1,244.0**	**7,559.2**
DISPOSITION								
Marketings	54.8	3,290.2	640.1	692.3	30.9	200.0	1,072.8	5,926.5
Seed Requirements	2.3	143.9	41.1	41.1	1.5	8.1	6.6	242.3
Feed, Waste & Dockage	25.1	166.5	136.8	601.1	5.3	6.3	74.6	990.4
Carryover, July 31	10.0	80.0	50.0	150.0	10.0	20.0	90.0	400.0
TOTAL DISPOSITION	**92.2**	**3,680.6**	**868.0**	**1,484.5**	**47.7**	**234.4**	**1,244.0**	**7,559.2**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1	1,837	9,186	7,781	11,482	394	1,378	4,850	35,071
Production	1,550	126,050	48,500	56,700	1,480	7,850	50,000	290,580
TOTAL SUPPLY	**3,387**	**135,236**	**56,281**	**68,182**	**1,874**	**9,228**	**54,850**	**325,651**
DISPOSITION								
Marketings	2,010	120,890	41,510	31,800	1,220	7,880	47,300	250,600
Seed Requirements	85	5,287	2,665	1,888	59	319	291	10,509
Feed, Waste & Dockage	925	6,119	8,864	27,605	201	242	3,291	46,322
Carryover, July 31	367	2,940	3,242	6,889	394	787	3,968	18,220
TOTAL DISPOSITION	**3,387**	**135,236**	**56,281**	**68,182**	**1,874**	**9,228**	**54,850**	**325,651**

Note: May not add due to rounding.
SOURCE: Statistics Canada.

2002/2003	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseec	Canola	TOTAL
	thousand tonnes							
SUPPLY								
Opening Stocks, Aug 1	10.0	80.0	50.0	150.0	10.0	20.0	90.0	400.0
Production	39.5	3,355.2	1,017.9	1,175.7	38.1	214.6	1,428.8	7,230.3
TOTAL SUPPLY	**49.5**	**3,435.2**	**1,067.9**	**1,325.7**	**48.1**	**234.6**	**1,518.8**	**7,630.3**
DISPOSITION								
Marketings	39.0	3,059.0	798.1	419.6	35.0	186.6	1,450.2	5,948.5
Seed Requirements	1.6	146.9	36.8	41.1	1.8	7.3	7.5	241.4
Feed, Waste & Dockage	3.9	174.3	163.0	715.0	6.3	25.7	11.1	1,095.4
Carryover, July 31	5.0	55.0	70.0	150.0	5.0	15.0	50.0	345.0
TOTAL DISPOSITION	**49.5**	**3,435.2**	**1,067.9**	**1,325.7**	**48.1**	**234.6**	**1,518.8**	**7,630.3**
	thousand bushels							
SUPPLY								
Opening Stocks, Aug 1	367	2,940	3,242	6,889	394	787	3,968	18,220
Production	1,450	123,280	66,000	54,000	1,500	8,450	63,000	316,230
TOTAL SUPPLY	**1,817**	**126,220**	**69,242**	**60,889**	**1,894**	**9,237**	**66,968**	**334,450**
DISPOSITION								
Marketings	1,430	112,400	51,750	19,270	1,515	7,350	63,940	256,225
Seed Requirements	59	5,398	2,386	1,888	71	287	331	10,360
Feed, Waste & Dockage	145	6,401	10,567	32,842	111	1,009	493	51,424
Carryover, July 31	184	2,021	4,539	6,889	197	591	2,205	16,441
TOTAL DISPOSITION	**1,817**	**126,220**	**69,242**	**60,889**	**1,894**	**9,237**	**66,968**	**334,450**

Note: May not add due to rounding.
SOURCE: Statistics Canada.

TABLE 109: Historical Summary of Seeded Area by Agricultural Region

thousand acres	1994	1995^R	1996^R	1997^R	1998^R	1999^R	2000^R	2001^R	2002^R	2003	94-03 Ave.
Agricultural Region 1											
Spring Wheat	575	575	572	525	400	320	440	465	395	455	472
Durum Wheat	102	75	74	71	86	16	78	23	24	14	56
Winter Wheat	4	4	3	7	10	12	22	56	15	63	20
ALL WHEAT	**681**	**654**	**649**	**603**	**497**	**347**	**541**	**544**	**434**	**532**	**548**
Oats	75	80	100	93	97	40	90	75	115	110	88
Barley	110	125	140	145	145	105	145	125	135	135	131
Rye	14	31	27	43	44	20	16	10	11	14	23
Flax	73	81	57	73	84	46	73	62	71	67	69
Canola	315	245	160	260	325	205	290	220	265	275	256
TOTAL MAJOR CROPS	**1,267**	**1,216**	**1,133**	**1,217**	**1,192**	**764**	**1,155**	**1,036**	**1,031**	**1,133**	**1,114**
Tame Hay	105	105	131	125	135	145	155	160	165	160	139
Summerfallow	40	65	87	50	40	524	33	61	20	23	94
Pasture	59	59	51	51	51	51	51	69	69	69	58
TOTAL ABOVE	**1,471**	**1,445**	**1,403**	**1,443**	**1,418**	**1,485**	**1,395**	**1,326**	**1,285**	**1,385**	**1,406**
Agricultural Region 2											
Spring Wheat	425	440	483	430	335	295	400	415	385	375	398
Durum Wheat	56	33	36	37	54	13	24	11	22	7	29
Winter Wheat	0	1	3	7	10	7	20	37	33	42	16
ALL WHEAT	**481**	**474**	**522**	**474**	**399**	**315**	**444**	**463**	**441**	**424**	**444**
Oats	95	80	106	81	81	55	95	80	115	100	89
Barley	175	160	193	175	180	150	185	175	190	190	177
Rye	18	22	20	21	24	19	18	14	17	18	19
Flax	63	80	57	66	79	44	50	61	61	57	62
Canola	260	205	164	230	275	195	245	215	210	260	226
TOTAL MAJOR CROPS	**1,093**	**1,022**	**1,062**	**1,047**	**1,037**	**778**	**1,037**	**1,009**	**1,034**	**1,049**	**1,017**
Tame Hay	155	155	183	165	180	185	200	210	205	230	187
Summerfallow	80	90	95	65	55	341	52	78	46	39	94
Pasture	94	94	77	77	77	77	77	105	105	105	89
TOTAL ABOVE	**1,422**	**1,360**	**1,417**	**1,354**	**1,350**	**1,380**	**1,366**	**1,401**	**1,389**	**1,423**	**1,386**
Agricultural Region 3											
Spring Wheat	460	470	489	465	390	345	410	410	355	335	413
Durum Wheat	23	16	15	18	35	3	14	4	2	0	13
Winter Wheat	0	1	3	4	5	6	7	16	19	30	9
ALL WHEAT	**483**	**487**	**507**	**486**	**430**	**354**	**431**	**430**	**377**	**365**	**435**
Oats	70	55	68	46	56	45	55	65	80	85	63
Barley	175	200	185	185	190	185	170	170	145	155	176
Rye	3	5	6	5	8	6	5	3	4	3	5
Flax	58	70	60	64	67	47	44	45	58	58	57
Canola	320	240	182	285	320	270	295	265	255	310	274
TOTAL MAJOR CROPS	**1,109**	**1,057**	**1,008**	**1,071**	**1,071**	**907**	**1,001**	**978**	**918**	**976**	**1,010**
Tame Hay	155	155	161	130	140	180	185	185	180	215	169
Summerfallow	115	130	130	95	80	234	71	117	53	45	107
Pasture	87	87	82	82	82	82	82	86	86	86	84
TOTAL ABOVE	**1,467**	**1,429**	**1,381**	**1,378**	**1,373**	**1,403**	**1,338**	**1,366**	**1,238**	**1,322**	**1,370**
Agricultural Region 4											
Spring Wheat	180	280	210	180	145	145	140	165	120	120	168
Durum Wheat	4	4	1	2	5	2	2	1	0	2	2
Winter Wheat	0	0	0	0	0	1	0	2	2	2	1
ALL WHEAT	**184**	**284**	**211**	**182**	**151**	**147**	**142**	**168**	**122**	**124**	**171**
Oats	20	25	37	25	32	20	30	30	40	30	29
Barley	45	50	59	50	50	40	45	50	40	50	48
Rye	0	1	1	1	1	0	0	1	0	0	0
Flax	12	21	11	14	19	17	4	6	6	6	12
Canola	125	305	71	105	120	120	100	110	85	100	124
TOTAL MAJOR CROPS	**386**	**686**	**390**	**376**	**373**	**345**	**321**	**365**	**293**	**309**	**384**
Tame Hay	95	100	112	105	115	125	110	125	140	120	115
Summerfallow	65	70	61	45	35	55	32	48	29	20	46
Pasture	63	63	61	61	61	61	61	49	49	49	58
TOTAL ABOVE	**609**	**919**	**624**	**587**	**584**	**586**	**524**	**588**	**511**	**499**	**603**

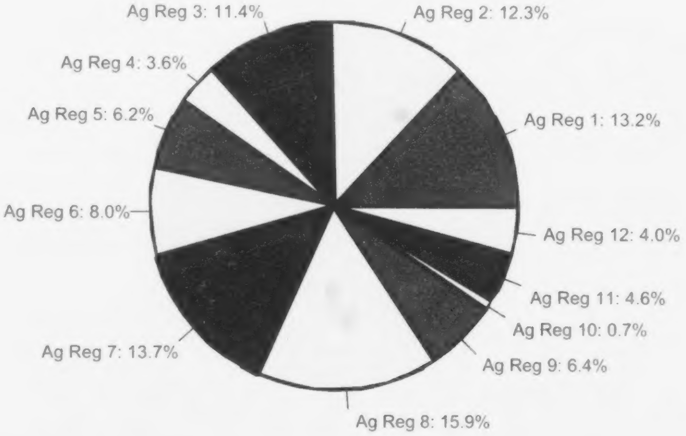
thousand acres	1994	1995^R	1996^R	1997^R	1998^R	1999^R	2000^R	2001^R	2002^R	2003	94-03 Ave.
Agricultural Region 5											
Spring Wheat	250	230	220	210	185	215	255	205	230	250	225
Durum Wheat	3	1	1	0	0	0	1	0	1	1	1
Winter Wheat	0	0	1	1	3	2	1	2	6	2	2
ALL WHEAT	**253**	**231**	**222**	**211**	**188**	**217**	**257**	**207**	**237**	**253**	**227**
Oats	25	20	27	20	20	25	25	20	30	25	24
Barley	35	40	60	55	40	30	35	25	40	35	39
Rye	0	3	1	2	5	2	1	0	0	0	1
Flax	10	16	10	9	11	6	1	3	2	1	7
Canola	135	120	81	155	205	195	185	130	160	215	158
TOTAL MAJOR CROPS	**458**	**430**	**400**	**452**	**469**	**475**	**504**	**386**	**469**	**529**	**457**
Tame Hay	80	85	89	105	110	105	85	110	90	95	95
Summerfallow	35	30	46	45	35	30	20	25	17	12	29
Pasture	52	52	45	45	45	45	45	39	39	39	45
TOTAL ABOVE	**625**	**597**	**581**	**648**	**659**	**655**	**654**	**560**	**615**	**675**	**627**
Agricultural Region 6											
Spring Wheat	260	265	291	265	225	240	265	275	270	280	264
Durum Wheat	13	8	4	8	11	6	2	3	0	3	6
Winter Wheat	0	0	1	1	1	3	2	4	8	8	3
ALL WHEAT	**273**	**273**	**297**	**274**	**237**	**249**	**269**	**282**	**278**	**291**	**272**
Oats	85	70	100	62	78	75	85	65	90	70	78
Barley	65	75	96	85	85	80	95	95	85	95	86
Rye	1	2	2	4	7	2	2	2	2	1	2
Flax	34	37	29	32	33	27	27	24	21	23	29
Canola	215	165	127	185	210	190	175	155	205	200	183
TOTAL MAJOR CROPS	**673**	**622**	**650**	**642**	**649**	**623**	**653**	**623**	**681**	**681**	**650**
Tame Hay	295	300	246	290	315	290	285	310	300	315	295
Summerfallow	60	65	78	50	45	107	42	55	46	19	57
Pasture	121	121	101	101	101	101	101	175	175	175	127
TOTAL ABOVE	**1,149**	**1,109**	**1,074**	**1,082**	**1,110**	**1,120**	**1,080**	**1,163**	**1,201**	**1,189**	**1,128**
Agricultural Region 7											
Spring Wheat	520	490	519	400	300	355	525	525	415	390	444
Durum Wheat	7	2	3	1	1	0	2	4	0	3	2
Winter Wheat	0	3	10	13	30	19	24	35	38	55	23
ALL WHEAT	**527**	**494**	**532**	**414**	**331**	**374**	**551**	**563**	**453**	**448**	**469**
Oats	160	170	225	136	148	130	205	185	235	220	181
Barley	120	130	201	160	140	105	145	140	120	110	137
Rye	6	10	12	13	20	15	6	6	5	5	10
Flax	144	150	108	98	95	76	73	83	61	51	94
Canola	370	345	251	290	325	305	315	240	305	340	309
TOTAL MAJOR CROPS	**1,327**	**1,299**	**1,328**	**1,111**	**1,059**	**1,005**	**1,294**	**1,218**	**1,179**	**1,174**	**1,199**
Tame Hay	195	200	198	195	205	235	200	225	225	235	211
Summerfallow	30	60	83	30	25	62	24	61	26	10	41
Pasture	111	111	78	78	78	78	78	80	80	80	85
TOTAL ABOVE	**1,663**	**1,670**	**1,687**	**1,414**	**1,367**	**1,380**	**1,596**	**1,584**	**1,510**	**1,499**	**1,537**
Agricultural Region 8											
Spring Wheat	710	675	674	755	575	695	665	660	560	535	650
Durum Wheat	40	12	10	3	6	1	5	2	1	4	8
Winter Wheat	0	1	3	5	16	18	23	25	27	47	17
ALL WHEAT	**750**	**688**	**686**	**764**	**597**	**714**	**692**	**687**	**588**	**586**	**675**
Oats	100	110	161	183	288	240	140	125	155	140	164
Barley	190	220	277	290	235	175	170	150	150	140	200
Rye	1	6	9	10	20	14	5	6	5	6	8
Flax	176	210	148	210	208	162	91	98	88	71	146
Canola	450	395	276	505	580	565	385	310	355	415	424
TOTAL MAJOR CROPS	**1,667**	**1,628**	**1,558**	**1,961**	**1,928**	**1,871**	**1,483**	**1,376**	**1,341**	**1,359**	**1,617**
Tame Hay	105	105	120	95	105	140	150	155	160	150	128
Summerfallow	25	65	73	25	20	36	15	43	9	11	32
Pasture	47	47	40	40	40	40	40	49	49	49	44
TOTAL ABOVE	**1,844**	**1,845**	**1,791**	**2,122**	**2,093**	**2,087**	**1,689**	**1,624**	**1,560**	**1,570**	**1,822**

thousand acres	1994	1995R	1996R	1997R	1998R	1999R	2000R	2001R	2002R	2003	94-03 Ave.
Agricultural Region 9											
Spring Wheat ...	205	195	254	180	165	195	230	245	190	170	203
Durum Wheat ...	2	0	4	0	0	0	1	0	0	0	1
Winter Wheat ...	0	0	1	1	8	7	8	6	26	30	9
ALL WHEAT	**207**	**195**	**259**	**181**	**173**	**202**	**239**	**251**	**216**	**200**	**212**
Oats	65	75	112	72	118	110	115	130	155	115	107
Barley	90	90	137	100	100	85	100	90	65	50	91
Rye	0	0	0	1	1	2	1	1	0	1	1
Flax	66	58	50	52	59	54	39	35	29	26	47
Canola	160	155	110	140	175	195	150	105	155	155	150
TOTAL MAJOR CROPS	**588**	**573**	**668**	**546**	**626**	**647**	**643**	**612**	**621**	**547**	**607**
Tame Hay	155	155	150	140	150	155	160	165	150	135	151
Summerfallow ..	50	45	38	40	30	28	19	61	11	8	33
Pasture	30	30	28	28	28	28	28	39	39	39	32
TOTAL ABOVE	**823**	**803**	**883**	**754**	**834**	**858**	**850**	**877**	**822**	**729**	**823**
Agricultural Region 10											
Spring Wheat ...	40	30	34	35	30	35	30	35	15	20	30
Durum Wheat ...	0	0	0	0	0	0	0	1	0	0	0
Winter Wheat ...	0	0	0	0	0	1	0	1	0	1	0
ALL WHEAT	**40**	**30**	**35**	**35**	**30**	**36**	**30**	**36**	**15**	**21**	**31**
Oats	5	10	20	13	13	10	20	20	10	15	14
Barley	10	15	20	20	20	15	25	20	15	10	17
Rye	0	0	1	0	0	0	1	0	0	0	0
Flax	8	8	4	4	6	7	5	2	5	1	5
Canola	25	25	18	35	30	40	25	15	15	15	24
TOTAL MAJOR CROPS	**88**	**88**	**98**	**107**	**99**	**108**	**107**	**94**	**60**	**62**	**91**
Tame Hay	105	105	79	70	80	80	80	100	105	75	88
Summerfallow ..	15	25	21	15	15	18	12	20	10	6	16
Pasture	17	17	15	15	15	15	15	30	30	30	20
TOTAL ABOVE	**224**	**234**	**212**	**207**	**209**	**221**	**214**	**245**	**206**	**174**	**215**
Agricultural Region 11											
Spring Wheat ...	145	130	190	145	110	140	180	175	120	120	145
Durum Wheat ...	2	1	1	0	0	0	0	1	0	0	0
Winter Wheat ...	0	0	0	0	2	4	2	6	5	13	3
ALL WHEAT	**147**	**131**	**191**	**146**	**112**	**144**	**182**	**182**	**125**	**133**	**149**
Oats	35	45	62	51	60	55	55	85	75	75	60
Barley	65	65	105	75	70	55	75	70	60	60	70
Rye	1	0	2	0	1	0	1	1	0	0	0
Flax	41	34	25	25	28	26	15	17	15	13	24
Canola	105	90	76	100	110	130	105	75	100	110	100
TOTAL MAJOR CROPS	**393**	**365**	**461**	**397**	**380**	**409**	**433**	**429**	**375**	**392**	**403**
Tame Hay	145	145	113	120	130	110	115	125	105	100	121
Summerfallow ..	40	50	33	30	25	18	14	31	11	4	26
Pasture	35	35	22	22	22	22	22	39	39	39	30
TOTAL ABOVE	**613**	**594**	**628**	**569**	**557**	**559**	**584**	**624**	**530**	**535**	**579**
Agricultural Region 12											
Spring Wheat ...	80	80	113	110	95	75	125	125	110	95	101
Durum Wheat ...	1	0	1	0	0	0	0	0	0	1	0
Winter Wheat ...	0	0	0	1	1	1	1	1	5	7	2
ALL WHEAT	**81**	**80**	**114**	**111**	**96**	**76**	**126**	**126**	**115**	**104**	**103**
Oats	15	10	32	18	9	5	35	30	50	45	25
Barley	20	30	78	60	45	35	60	60	55	70	51
Rye	0	0	0	0	0	0	0	0	1	1	0
Flax	5	10	9	14	10	8	13	13	14	15	11
Canola	70	60	56	80	75	70	80	60	90	105	75
TOTAL MAJOR CROPS	**190**	**190**	**288**	**282**	**236**	**194**	**315**	**290**	**324**	**340**	**265**
Tame Hay	360	370	333	360	385	385	445	430	475	395	394
Summerfallow ..	45	55	56	60	45	48	41	49	21	23	44
Pasture	133	133	99	99	99	99	99	189	189	189	133
TOTAL ABOVE	**729**	**748**	**776**	**802**	**765**	**726**	**900**	**957**	**1,009**	**946**	**836**

thousand acres	1994	1995^{R}	1996^{R}	1997^{R}	1998^{R}	1999^{R}	2000^{R}	2001^{R}	2002^{R}	2003	94-03 Ave.
Manitoba											
Spring Wheat ...	3,850	3,860	4,050	3,700	2,955	3,055	3,665	3,700	3,165	3,145	3,514
Durum Wheat ...	250	150	150	140	200	40	130	50	50	35	120
Winter Wheat ...	5	10	25	40	85	80	110	190	185	300	103
ALL WHEAT	**4,105**	**4,020**	**4,225**	**3,880**	**3,240**	**3,175**	**3,905**	**3,940**	**3,400**	**3,480**	**3,737**
Oats	750	750	1,050	800	1,000	810	950	910	1,150	1,030	920
Barley	1,100	1,200	1,550	1,400	1,300	1,060	1,250	1,170	1,100	1,100	1,223
Rye	45	80	80	100	130	80	55	45	45	50	71
Flax	690	775	570	660	700	520	435	450	430	390	562
Canola	2,550	2,350	1,570	2,370	2,750	2,480	2,350	1,900	2,200	2,500	2,302
TOTAL MAJOR CROPS	**9,240**	**9,175**	**9,044**	**9,210**	**9,119**	**8,124**	**8,944**	**8,414**	**8,324**	**8,549**	**8,814**
Tame Hay	1,950	1,980	1,913	1,900	2,050	2,135	2,170	2,300	2,300	2,225	2,092
Summerfallow ..	600	750	800	550	450	1,500	375	650	300	220	619
Pasture	850	850	700	700	700	700	700	950	950	950	805
TOTAL ABOVE	**12,640**	**12,755**	**12,458**	**12,360**	**12,321**	**12,461**	**12,190**	**12,315**	**11,875**	**11,945**	**12,332**

See Manitoba Agricultural Regions map on page 1. Totals may not add due to rounding.
SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives; and Manitoba Crop Insurance Corporation.

CHART 23: Manitoba Total Seeded Area of Major Crops by Agricultural Region, 2003



SOURCE: Statistics Canada.
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 110: Historical Summary of Average Yield (Production/Harvested Area) by Agricultural Region

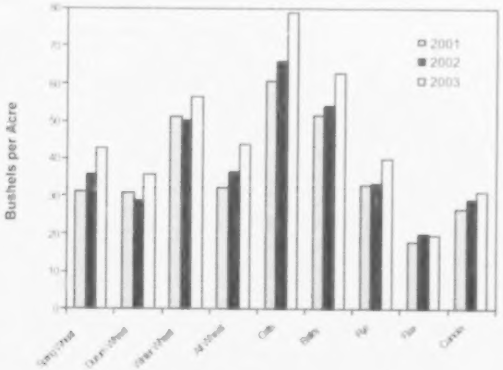
bushels per harvested acre	1994	1995	1996	1997	1998	1999	2000	2001^R	2002^R	2003	94-03 Ave.
Agricultural Region 1											
Spring Wheat	29.2	27.4	33.1	27.0	31.7	20.7	37.8	32.9	30.4	37.0	30.7
Durum Wheat	31.7	30.9	36.1	24.5	32.5	27.6	37.9	29.7	21.1	34.9	30.7
Winter Wheat	21.6	18.0	36.6	35.7	40.4	55.1	55.4	51.4	36.6	46.4	39.7
ALL WHEAT	**29.6**	**27.8**	**33.4**	**26.8**	**32.1**	**22.2**	**38.6**	**34.6**	**30.1**	**38.1**	**31.3**
Oats	54.5	48.3	60.0	50.0	53.8	34.3	67.5	66.2	44.2	46.7	52.5
Barley	53.8	46.7	57.3	53.3	57.1	39.0	60.7	58.3	48.0	51.2	52.6
Rye	30.3	31.7	33.5	24.6	32.5	33.5	42.6	22.2	26.4	38.1	31.5
Flax	18.1	18.9	24.0	20.3	20.6	18.6	19.2	26.9	15.1	15.4	19.7
Canola	20.5	19.2	27.2	24.8	27.7	24.6	28.4	28.4	24.4	22.9	24.8
Agricultural Region 2											
Spring Wheat	34.5	30.1	36.5	29.2	32.2	24.7	37.7	32.1	32.7	36.2	32.6
Durum Wheat	37.3	34.2	38.5	28.9	33.0	34.0	41.5	32.4	37.1	36.9	35.4
Winter Wheat	29.4	23.8	34.4	33.8	38.1	48.5	52.6	48.6	41.8	47.3	39.8
ALL WHEAT	**35.0**	**30.3**	**36.6**	**29.2**	**32.4**	**25.6**	**38.6**	**33.4**	**33.6**	**37.3**	**33.2**
Oats	55.0	46.2	58.9	47.7	54.3	40.0	70.0	64.6	54.1	37.1	52.8
Barley	58.2	49.0	58.6	52.7	54.3	42.9	61.1	53.5	51.5	50.0	53.2
Rye	27.8	24.0	31.6	25.0	32.9	34.5	38.6	40.3	31.6	34.3	32.1
Flax	23.8	19.4	25.2	21.4	18.1	15.2	20.2	19.0	19.3	18.2	20.0
Canola	25.1	20.2	29.4	25.2	25.9	24.9	29.4	25.3	28.1	22.3	25.6
Agricultural Region 3											
Spring Wheat	34.9	28.7	38.3	31.0	35.7	28.9	36.8	32.6	36.8	39.8	34.4
Durum Wheat	42.6	31.9	44.2	34.5	40.9	34.7	43.8	33.9	35.8	0.0	34.2
Winter Wheat	0.0	37.6	47.0	38.7	45.1	57.3	58.4	49.5	54.0	50.5	48.7
ALL WHEAT	**35.2**	**28.9**	**38.5**	**31.2**	**36.2**	**29.5**	**37.3**	**33.3**	**37.6**	**40.7**	**34.8**
Oats	61.8	47.5	68.3	48.6	64.0	51.4	74.0	72.0	69.2	61.4	61.8
Barley	58.6	48.1	60.5	54.4	62.7	46.1	60.0	54.2	57.0	60.7	56.2
Rye	50.2	32.2	37.1	31.4	36.6	36.1	40.2	35.4	34.6	38.2	37.2
Flax	23.4	18.4	26.4	21.0	21.4	16.3	19.1	20.7	21.5	20.9	20.9
Canola	24.3	18.9	30.3	26.1	28.1	24.3	28.6	25.8	30.2	29.0	26.6
Agricultural Region 4											
Spring Wheat	31.4	33.3	38.5	35.2	36.3	39.9	40.1	38.7	37.8	36.7	36.8
Durum Wheat	45.0	34.3	45.4	32.7	38.7	39.1	41.0	28.9	0.0	0.0	38.1
Winter Wheat	0.0	43.3	19.2	46.7	41.0	53.5	0.0	50.9	52.0	55.9	51.8
ALL WHEAT	**31.6**	**33.3**	**38.4**	**35.2**	**36.4**	**40.0**	**40.1**	**38.8**	**38.0**	**36.9**	**36.9**
Oats	50.0	55.0	66.7	55.0	56.0	66.7	70.0	72.0	60.0	55.0	60.6
Barley	51.3	51.0	55.7	57.8	57.8	55.0	60.0	62.2	60.0	57.5	56.8
Rye	68.3	27.1	32.1	31.8	19.2	28.3	48.5	18.9	41.2	0.0	31.5
Flax	25.8	20.1	25.4	24.2	21.7	18.9	20.0	23.3	23.3	23.3	22.6
Canola	21.2	18.2	29.3	29.0	26.7	30.4	30.0	28.2	27.5	29.0	26.9
Agricultural Region 5											
Spring Wheat	29.2	35.7	36.3	35.0	37.8	45.1	45.4	41.7	34.0	43.2	38.3
Durum Wheat	26.7	40.0	45.1	0.0	43.9	0.0	49.7	0.0	23.6	0.0	32.7
Winter Wheat	0.0	30.0	15.4	18.4	17.8	59.1	63.2	53.7	40.5	44.0	39.0
ALL WHEAT	**28.9**	**35.6**	**36.3**	**34.9**	**37.6**	**45.2**	**45.4**	**41.8**	**34.1**	**43.2**	**38.3**
Oats	40.0	46.7	46.7	46.7	50.0	60.0	68.0	66.7	45.0	65.0	53.5
Barley	41.7	55.0	51.8	48.0	47.5	68.0	68.6	68.0	45.7	74.3	56.9
Rye	65.8	27.1	26.4	26.1	28.2	29.5	48.5	28.3	27.2	41.5	34.9
Flax	20.0	21.4	18.1	19.2	18.6	22.4	20.0	20.0	15.0	20.0	19.5
Canola	21.9	26.3	26.3	27.3	24.0	30.3	33.2	31.9	26.7	38.1	28.6

bushels per harvested acre	1994	1995	1996	1997	1998	1999	2000	2001[R]	2002[R]	2003	94-03 Ave.
Agricultural Region 6											
Spring Wheat	33.2	32.5	38.2	34.9	34.4	36.9	39.3	34.8	37.6	39.1	36.1
Durum Wheat	40.8	30.0	51.7	35.8	42.5	37.6	34.4	0.0	0.0	0.0	39.0
Winter Wheat	63.7	32.9	34.2	39.2	39.0	53.8	57.0	48.8	41.3	41.9	45.2
ALL WHEAT	**33.3**	**32.4**	**38.4**	**35.0**	**34.8**	**37.1**	**39.4**	**35.0**	**37.7**	**38.9**	**36.2**
Oats	68.0	60.0	71.1	63.6	68.6	71.7	77.3	67.3	56.0	61.5	66.5
Barley	60.0	52.3	59.4	58.8	57.6	58.5	65.6	62.4	57.3	57.6	58.9
Rye	32.8	33.7	42.1	35.3	27.6	41.9	37.9	37.3	32.7	43.6	36.5
Flax	18.1	18.7	23.5	23.0	18.0	22.3	15.7	14.5	20.7	19.3	19.4
Canola	23.7	26.1	28.0	30.8	23.1	29.2	29.1	28.7	28.0	28.3	27.5
Agricultural Region 7											
Spring Wheat	38.9	34.0	42.1	35.5	40.5	41.6	40.5	26.5	39.1	50.3	38.9
Durum Wheat	41.5	40.0	42.1	27.7	38.5	60.7	42.4	25.0	0.0	0.0	39.7
Winter Wheat	59.3	42.2	60.9	50.0	49.9	63.8	72.1	55.0	59.1	61.5	57.2
ALL WHEAT	**39.1**	**34.0**	**42.4**	**35.9**	**41.3**	**42.7**	**41.9**	**28.2**	**40.7**	**51.7**	**39.8**
Oats	78.6	70.3	78.1	78.4	85.0	75.8	84.7	58.2	77.7	98.5	78.5
Barley	65.2	58.1	66.3	64.5	63.1	59.0	63.6	41.6	60.0	76.0	61.7
Rye	35.1	35.3	39.0	36.8	41.0	41.6	36.5	29.6	40.0	48.0	38.3
Flax	23.7	21.7	26.7	24.3	21.1	24.3	16.6	13.1	22.8	25.1	22.0
Canola	33.3	27.6	32.9	31.7	29.8	33.3	27.0	25.3	33.3	37.5	31.2
Agricultural Region 8											
Spring Wheat	33.8	31.4	39.7	31.5	40.3	41.5	44.5	34.9	38.1	49.3	38.5
Durum Wheat	35.0	31.7	38.4	29.8	35.1	40.4	53.2	40.3	33.0	43.6	38.1
Winter Wheat	0.0	44.7	48.3	50.7	55.2	65.6	64.1	55.1	57.1	61.9	55.9
ALL WHEAT	**26.6**	**33.9**	**31.5**	**39.7**	**31.6**	**40.6**	**42.1**	**45.2**	**35.6**	**39.0**	**36.6**
Oats	68.0	71.6	70.9	76.9	80.6	88.4	89.1	85.9	65.2	68.7	76.5
Barley	48.7	61.4	56.3	66.1	59.7	70.0	64.7	74.7	60.7	58.6	62.1
Rye	23.1	99.9	34.8	40.9	41.9	43.4	42.6	43.9	38.5	46.7	45.6
Flax	17.2	23.7	21.6	25.2	20.5	22.7	24.1	21.4	18.5	20.8	21.6
Canola	23.5	31.3	26.2	32.5	29.2	35.4	35.4	32.6	30.3	31.9	30.8
Agricultural Region 9											
Spring Wheat	28.2	33.3	40.2	30.2	35.9	44.9	34.4	18.5	31.0	47.4	34.4
Durum Wheat	20.0	28.1	48.7	0.0	37.0	0.0	59.9	18.0	0.0	0.0	35.3
Winter Wheat	0.0	0.0	52.5	48.0	48.4	57.9	57.9	33.2	48.5	88.0	54.3
ALL WHEAT	**28.4**	**33.3**	**40.3**	**30.3**	**36.4**	**45.4**	**35.3**	**18.8**	**34.5**	**55.6**	**35.8**
Oats	68.3	72.3	79.1	78.5	70.0	88.0	79.0	45.8	69.7	96.5	74.7
Barley	53.1	60.6	68.8	54.7	57.5	77.5	54.4	29.4	50.0	75.6	58.2
Rye	0.0	24.8	0.0	27.5	42.1	54.4	19.4	30.9	38.8	0.0	34.0
Flax	17.8	21.2	23.9	16.6	20.1	23.5	16.5	8.1	20.3	21.9	19.0
Canola	27.4	27.1	32.3	25.2	31.5	32.6	18.1	14.5	28.7	35.3	27.3
Agricultural Region 10											
Spring Wheat	22.3	28.0	37.7	36.3	35.7	41.1	35.3	22.6	28.5	49.4	33.7
Durum Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.8	0.0	0.0	26.8
Winter Wheat	0.0	0.0	14.5	0.0	0.0	0.0	0.0	8.0	47.7	72.7	47.7
ALL WHEAT	**20.6**	**22.3**	**28.0**	**36.9**	**36.3**	**35.7**	**40.5**	**35.1**	**22.5**	**30.1**	**30.8**
Oats	60.0	40.0	60.0	65.0	60.0	60.0	70.0	40.0	55.0	60.0	57.0
Barley	43.3	50.0	53.3	68.4	60.0	50.0	60.0	36.0	35.0	40.0	49.6
Rye	16.7	0.0	6.3	20.0	0.0	22.9	20.4	30.8	33.1	19.8	21.3
Flax	13.8	12.6	13.2	13.9	17.6	18.2	18.0	12.0	5.0	16.0	14.0
Canola	15.0	16.0	22.0	30.0	27.1	30.0	31.3	18.0	16.7	23.3	22.9

bushels per harvested acre	1994	1995	1996	1997	1998	1999	2000	2001^R	2002^R	2003	94-03 Ave.
Agricultural Region 11											
Spring Wheat	30.5	34.7	40.8	33.9	38.4	45.3	37.3	22.4	35.9	46.3	36.6
Durum Wheat	20.0	40.0	50.4	52.3	49.8	0.0	0.0	18.7	0.0	41.5	38.9
Winter Wheat	0.0	0.0	0.0	51.2	58.2	62.7	63.3	56.9	59.1	59.3	59.9
ALL WHEAT	**30.7**	**34.7**	**40.9**	**34.1**	**38.2**	**45.8**	**37.6**	**23.4**	**36.8**	**47.6**	**37.0**
Oats	76.7	68.9	71.7	74.0	74.5	87.3	76.4	58.8	78.7	92.0	75.9
Barley	56.1	58.5	65.8	62.7	58.6	74.5	62.9	40.0	55.0	80.0	61.4
Rye	0.0	0.0	18.8	0.0	32.1	0.0	38.8	32.2	0.0	0.0	30.5
Flax	17.9	20.3	23.9	22.7	17.6	23.5	16.0	13.1	20.7	20.8	19.6
Canola	25.7	26.1	30.7	30.5	29.1	35.4	21.5	22.0	31.1	37.3	28.9
Agricultural Region 12											
Spring Wheat	33.4	31.6	39.0	34.6	38.8	38.7	37.4	25.8	35.1	41.5	35.6
Durum Wheat	20.0	42.2	38.7	0.0	39.0	0.0	30.4	22.3	0.0	0.0	32.1
Winter Wheat	0.0	0.0	49.3	42.2	61.6	59.4	69.5	49.6	54.7	36.8	52.9
ALL WHEAT	**33.5**	**31.6**	**39.0**	**34.8**	**40.0**	**38.9**	**37.6**	**25.9**	**35.9**	**41.1**	**35.8**
Oats	50.0	40.0	60.0	60.0	40.0	40.0	50.0	60.0	62.5	45.0	50.8
Barley	67.5	53.3	65.7	60.0	60.0	60.0	58.2	43.6	44.4	58.3	57.1
Rye	0.0	48.8	0.0	7.4	35.0	49.7	38.8	31.2	47.5	58.7	39.7
Flax	19.8	13.2	22.1	23.6	18.8	18.6	15.4	16.2	20.8	18.0	18.6
Canola	22.1	21.7	30.0	29.4	28.0	29.3	23.8	22.5	29.5	30.0	26.6
Manitoba											
Spring Wheat	33.0	31.3	38.2	31.8	36.4	36.4	39.7	31.3	35.6	42.9	35.7
Durum Wheat	35.2	32.0	38.7	27.9	35.0	32.5	40.0	31.0	29.0	35.7	33.7
Winter Wheat	26.0	30.0	48.0	42.5	47.1	59.4	60.9	51.3	50.3	56.7	47.2
ALL WHEAT	**33.2**	**31.4**	**38.3**	**31.7**	**36.6**	**36.9**	**40.3**	**32.2**	**36.3**	**44.0**	**36.1**
Oats	66.2	62.3	71.4	68.1	74.2	75.9	76.6	60.6	66.0	78.9	70.0
Barley	58.1	53.0	62.6	57.3	60.4	55.8	62.6	51.5	54.0	63.0	57.8
Rye	33.3	30.0	34.6	28.8	35.4	37.5	40.0	33.0	33.3	40.0	34.6
Flax	22.1	20.5	25.0	21.2	20.9	21.4	18.8	18.0	19.9	19.7	20.8
Canola	26.2	23.3	30.4	28.1	29.1	30.6	28.4	26.6	29.3	31.3	28.3

See Manitoba Agricultural Regions map on page 1.
Yields are field-run estimates; may not calculate due to rounding.
SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives; and Manitoba Crop Insurance Corporation.

CHART 24: Manitoba Average Yield of Major Crops, 2001 - 2003



SOURCE: Statistics Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

TABLE 111: Historical Summary of Production by Agricultural Region

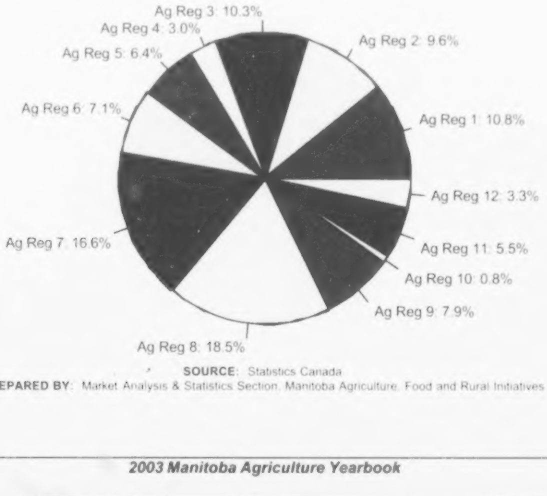
thousand	1994	1995^{R}	1996^{R}	1997^{R}	1998^{R}	1999^{R}	2000^{R}	2001^{R}	2002^{R}	2003	94-03 Ave.
Agricultural Region 1											
Spring Wheat	457.2	429.5	512.7	385.1	336.9	180.2	448.0	416.7	326.9	458.0	395.1
Durum Wheat	87.6	63.1	72.8	47.4	76.5	12.1	80.8	18.8	13.6	13.3	48.6
Winter Wheat	2.4	1.8	3.0	6.5	11.3	17.3	34.0	73.9	15.3	79.5	24.5
ALL WHEAT	**547.2**	**494.4**	**588.5**	**438.9**	**424.7**	**209.5**	**562.8**	**509.3**	**355.8**	**550.8**	**468.2**
Oats	46.3	44.7	74.0	54.0	66.3	18.5	83.3	66.3	64.8	64.8	58.3
Barley	123.0	121.9	174.2	156.8	174.2	84.9	178.5	152.4	130.6	139.3	143.6
Rye	10.8	24.3	21.7	23.4	36.3	17.3	17.3	5.5	7.4	13.6	17.8
Flax	31.5	39.1	33.5	37.8	42.9	20.8	35.5	41.7	26.9	26.2	33.6
Canola	141.7	104.3	98.7	140.6	200.7	114.5	187.1	141.7	144.0	142.9	141.6
TOTAL MAJOR CROPS	**900.5**	**828.7**	**990.6**	**851.6**	**945.1**	**465.6**	**1,064.5**	**916.9**	**729.5**	**937.6**	**863.1**
Agricultural Region 2											
Spring Wheat	399.5	360.1	482.0	341.6	293.7	198.7	410.4	362.5	342.4	369.9	356.1
Durum Wheat	56.9	30.8	37.6	29.1	48.4	11.7	27.2	9.4	22.6	6.8	28.0
Winter Wheat	0.3	0.9	3.1	6.4	9.9	9.1	29.0	46.6	37.9	54.2	19.7
ALL WHEAT	**456.7**	**391.7**	**522.7**	**377.1**	**352.0**	**219.5**	**466.6**	**418.5**	**402.9**	**430.8**	**403.8**
Oats	67.9	46.3	86.4	47.8	58.6	27.8	86.4	64.8	70.9	40.1	59.7
Barley	209.0	165.5	246.0	189.4	206.8	130.6	233.0	198.1	185.1	185.1	194.9
Rye	13.0	11.8	14.9	11.7	20.0	16.3	17.5	14.6	13.4	15.3	14.8
Flax	39.6	39.6	35.6	35.6	35.3	16.5	25.1	29.0	29.5	26.4	31.2
Canola	145.2	94.1	106.6	131.5	158.8	110.0	163.3	123.6	133.8	131.5	129.8
TOTAL MAJOR CROPS	**931.3**	**749.0**	**1,012.1**	**793.1**	**831.4**	**520.6**	**991.9**	**848.6**	**835.6**	**829.3**	**834.3**
Agricultural Region 3											
Spring Wheat	437.4	356.0	505.7	392.4	378.6	271.6	410.1	359.8	355.2	363.1	383.0
Durum Wheat	26.7	13.9	18.5	16.9	39.5	3.0	17.1	3.3	2.2	0.0	14.1
Winter Wheat	0.0	0.6	3.3	3.7	6.1	9.8	10.7	20.7	28.3	40.8	12.4
ALL WHEAT	**464.0**	**370.5**	**527.4**	**413.0**	**424.1**	**284.4**	**437.9**	**383.8**	**385.6**	**403.9**	**409.5**
Oats	52.4	29.3	63.2	26.2	49.4	27.8	57.1	55.5	69.4	66.3	49.7
Barley	236.2	193.8	243.9	213.4	252.6	180.7	215.6	182.9	167.7	185.1	207.2
Rye	3.9	2.9	5.0	3.2	7.6	5.4	5.5	2.8	3.1	2.8	4.2
Flax	33.3	32.8	40.1	34.0	35.3	18.5	21.3	23.1	30.0	30.7	29.9
Canola	173.5	100.9	123.6	169.0	204.1	146.3	191.6	152.0	167.8	204.1	163.3
TOTAL MAJOR CROPS	**963.4**	**730.1**	**1,003.2**	**858.8**	**973.1**	**663.1**	**929.1**	**800.0**	**823.6**	**892.9**	**863.7**
Agricultural Region 4											
Spring Wheat	149.7	253.9	209.3	172.5	143.2	157.6	152.7	173.9	123.6	119.7	165.6
Durum Wheat	4.9	3.3	1.1	1.4	5.7	1.6	2.0	0.5	0.0	2.2	2.3
Winter Wheat	0.0	0.4	0.1	0.3	0.4	1.2	0.0	2.5	2.4	2.4	1.0
ALL WHEAT	**154.6**	**257.5**	**210.5**	**174.2**	**149.3**	**160.4**	**154.7**	**177.0**	**126.0**	**124.4**	**168.9**
Oats	15.4	[illegible]	30.8	17.0	21.6	15.4	21.6	27.8	27.8	17.0	21.1
Barley	44.6	55.5	71.9	56.6	56.6	47.9	52.3	61.0	45.7	50.1	54.2
Rye	0.2	0.4	0.7	0.4	0.3	0.3	0.4	0.7	0.1	0.0	0.3
Flax	7.9	10.9	7.4	8.4	10.4	7.9	2.0	3.6	3.6	3.6	6.6
Canola	60.1	123.6	46.5	69.2	72.6	82.8	68.0	70.3	49.9	65.8	70.9
TOTAL MAJOR CROPS	**282.8**	**464.9**	**367.7**	**325.8**	**310.8**	**314.7**	**299.0**	**340.2**	**253.0**	**260.7**	**322.0**
Agricultural Region 5											
Spring Wheat	198.7	223.2	207.4	199.8	190.5	263.7	314.9	232.4	212.6	293.9	233.7
Durum Wheat	2.2	0.5	1.1	0.0	0.5	0.0	1.2	0.5	0.5	0.5	0.7
Winter Wheat	0.0	0.4	0.2	0.6	1.2	2.8	1.1	2.6	6.5	2.4	1.8
ALL WHEAT	**200.8**	**224.1**	**208.7**	**200.3**	**192.3**	**266.5**	**317.2**	**235.6**	**219.6**	**296.9**	**236.2**
Oats	12.3	10.8	10.8	10.8	7.7	18.5	26.2	15.4	13.9	20.0	14.7
Barley	27.2	47.9	67.5	52.3	41.4	37.0	52.3	37.0	34.8	56.6	45.4
Rye	0.5	1.4	0.8	1.0	3.5	1.4	0.9	0.3	0.2	0.4	1.0
Flax	5.3	8.6	4.6	4.6	5.1	3.3	0.5	1.5	0.8	0.5	3.5
Canola	66.9	71.4	47.6	93.0	108.9	133.8	139.5	94.1	90.7	181.4	102.7
TOTAL MAJOR CROPS	**313.1**	**364.3**	**340.0**	**362.0**	**358.8**	**460.5**	**536.6**	**384.0**	**360.0**	**555.9**	**403.5**

thousand	1994	1995^R	1996^R	1997^R	1998^R	1999^R	2000^R	2001^R	2002^R	2003	94-03 Ave.
Agricultural Region 6											
Spring Wheat	234.9	234.1	301.5	252.0	210.9	240.9	283.6	255.8	276.5	297.7	258.8
Durum Wheat	13.9	6.5	6.0	7.6	12.2	5.7	2.2	3.3	0.0	1.1	5.9
Winter Wheat	0.3	0.2	1.0	1.1	1.4	4.4	2.9	4.7	8.5	8.7	3.3
ALL WHEAT ..	**249.0**	**240.8**	**308.6**	**260.7**	**224.6**	**251.0**	**288.6**	**263.8**	**285.0**	**307.5**	**268.0**
Oats	78.7	60.1	98.7	54.0	74.0	66.3	89.4	57.1	64.8	61.7	70.5
Barley	78.4	74.0	124.1	102.3	106.7	82.7	128.5	115.4	93.6	106.7	101.2
Rye	1.0	1.3	2.2	2.4	4.8	2.2	1.5	1.6	1.8	1.6	2.0
Flax	20.3	20.6	16.8	19.1	16.5	11.9	13.0	11.7	9.9	10.9	15.1
Canola	115.7	97.5	79.4	129.3	110.0	125.9	115.7	100.9	127.0	128.1	112.9
TOTAL MAJOR CROPS	**543.1**	**494.4**	**629.7**	**567.8**	**536.6**	**540.0**	**636.6**	**550.4**	**582.1**	**616.6**	**569.7**
Agricultural Region 7											
Spring Wheat	550.8	452.9	595.6	386.2	330.4	390.3	573.2	375.2	441.2	534.2	463.0
Durum Wheat	7.3	1.6	3.3	0.5	0.8	0.3	2.6	2.4	0.0	4.4	2.3
Winter Wheat	0.5	3.2	16.7	17.5	41.2	33.0	47.0	49.4	61.0	91.4	36.1
ALL WHEAT ..	**558.7**	**457.7**	**615.6**	**404.3**	**372.4**	**423.6**	**622.8**	**427.0**	**502.1**	**630.0**	**501.4**
Oats	175.8	168.1	259.1	151.1	183.5	140.3	248.3	148.1	257.5	311.5	204.3
Barley	163.3	164.4	289.6	217.7	178.5	128.5	193.8	113.2	143.7	165.5	175.8
Rye	5.1	7.6	10.8	10.7	21.0	15.5	5.1	4.8	4.8	6.5	9.2
Flax	89.2	82.6	73.2	60.5	49.5	45.0	30.0	26.9	34.8	32.5	52.4
Canola	272.2	213.2	182.6	208.7	220.0	230.2	183.7	134.9	226.8	289.2	216.1
TOTAL MAJOR CROPS	**1,264.2**	**1,093.6**	**1,430.8**	**1,053.0**	**1,025.0**	**983.1**	**1,283.7**	**855.0**	**1,169.8**	**1,435.2**	**1,159.3**
Agricultural Region 8											
Spring Wheat	653.7	569.2	729.5	648.3	630.7	761.7	804.6	621.7	581.4	711.6	671.2
Durum Wheat	38.1	10.3	10.3	2.7	6.0	1.1	6.8	2.4	0.5	4.6	8.3
Winter Wheat	0.0	0.7	3.6	7.4	23.4	32.6	39.5	35.7	42.7	80.0	26.6
ALL WHEAT ..	**691.8**	**580.2**	**743.4**	**658.4**	**660.1**	**795.3**	**850.9**	**659.8**	**624.7**	**796.2**	**706.1**
Oats	104.9	120.3	189.7	211.3	374.8	316.2	178.9	115.7	158.8	209.7	198.0
Barley	240.6	251.5	398.4	376.7	350.5	239.5	276.5	191.6	185.1	222.1	273.2
Rye	3.6	3.2	9.0	9.0	22.0	15.3	5.5	5.7	5.7	8.4	8.7
Flax	103.1	115.3	94.7	109.5	116.3	95.8	50.0	44.7	47.5	36.1	81.3
Canola	308.4	231.3	203.0	334.5	466.1	441.1	281.2	209.8	252.9	328.9	305.7
TOTAL MAJOR CROPS	**1,452.5**	**1,301.8**	**1,638.3**	**1,699.3**	**1,989.7**	**1,903.2**	**1,643.1**	**1,227.3**	**1,274.7**	**1,601.4**	**1,573.1**
Agricultural Region 9											
Spring Wheat	157.6	176.6	278.7	147.8	161.1	238.4	210.9	123.6	168.5	230.8	189.4
Durum Wheat	0.8	0.0	4.9	0.0	0.3	0.0	1.2	0.1	0.0	0.0	0.7
Winter Wheat	0.0	0.0	1.2	1.7	10.1	11.4	12.9	4.9	34.7	71.8	14.9
ALL WHEAT ..	**158.4**	**176.6**	**284.8**	**149.5**	**171.5**	**249.8**	**225.1**	**128.6**	**203.2**	**302.6**	**205.0**
Oats	63.2	72.5	134.2	78.7	118.8	135.7	128.0	84.8	155.8	171.2	114.3
Barley	92.5	118.7	204.6	113.1	100.1	134.9	106.6	54.3	65.2	74.0	106.4
Rye	0.0	0.2	0.0	0.4	0.6	2.1	0.3	0.6	0.5	1.1	0.6
Flax	28.5	31.0	30.5	21.8	29.5	30.7	15.5	6.4	15.0	14.5	22.3
Canola	96.4	95.3	80.5	77.1	121.3	144.0	55.6	32.9	97.5	120.2	92.1
TOTAL MAJOR CROPS	**439.0**	**494.2**	**734.5**	**440.7**	**541.7**	**697.3**	**531.0**	**307.6**	**537.1**	**683.6**	**540.7**
Agricultural Region 10											
Spring Wheat	21.2	19.1	35.9	34.6	29.1	39.2	28.8	21.5	12.2	28.3	27.0
Durum Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.1
Winter Wheat	0.0	0.0	0.1	0.0	0.0	0.3	0.4	0.1	0.4	2.2	0.3
ALL WHEAT ..	**21.2**	**19.1**	**36.1**	**34.6**	**29.1**	**39.4**	**29.2**	**22.2**	**12.6**	**30.5**	**27.4**
Oats	3.1	4.6	20.0	13.9	9.3	10.8	9.3	17.0	4.6	12.3	10.5
Barley	10.9	17.4	30.5	26.1	21.8	19.6	19.6	15.2	8.7	15.2	18.5
Rye	0.0	0.0	0.3	0.0	0.0	0.2	1.0	0.3	0.2	0.2	0.2
Flax	2.5	2.5	1.5	1.8	2.8	3.0	1.5	0.3	2.0	0.5	1.9
Canola	9.1	12.5	10.2	21.5	20.4	28.3	10.2	5.7	7.9	12.5	13.8
TOTAL MAJOR CROPS	**46.8**	**56.2**	**98.6**	**97.9**	**83.4**	**101.4**	**70.8**	**60.7**	**36.1**	**71.2**	**72.3**

thousand	1994	1995^R	1996^R	1997^R	1998^R	1999^R	2000^R	2001^R	2002^R	2003	94-03 Ave.
Agricultural Region 11											
Spring Wheat	120.3	122.7	210.9	133.9	114.8	172.5	177.7	106.7	117.3	151.3	142.8
Durum Wheat	0.8	0.5	1.6	0.5	0.3	0.0	0.0	0.5	0.0	0.0	0.4
Winter Wheat	0.0	0.0	0.0	0.4	2.7	6.1	3.3	8.5	8.0	21.8	5.1
ALL WHEAT ..	**121.1**	**123.3**	**212.6**	**134.8**	**117.8**	**178.7**	**181.0**	**115.8**	**125.3**	**173.1**	**148.3**
Oats	35.5	47.8	66.3	57.1	63.2	74.0	64.8	72.5	91.0	106.4	67.9
Barley	72.9	82.7	150.2	102.3	89.3	89.3	95.8	61.0	71.9	95.8	91.1
Rye	0.0	0.0	0.7	0.0	0.5	0.0	0.7	0.6	0.0	0.0	0.2
Flax	17.5	17.5	15.5	14.5	12.2	14.7	6.1	5.3	7.9	6.9	11.8
Canola	61.2	53.3	52.2	69.2	72.6	104.3	48.8	37.4	66.9	93.0	65.9
TOTAL MAJOR CROPS	**308.3**	**324.7**	**497.4**	**377.8**	**355.6**	**461.0**	**397.1**	**292.6**	**362.9**	**475.1**	**385.3**
Agricultural Region 12											
Spring Wheat	72.7	68.9	116.8	103.7	100.4	78.9	127.4	87.6	105.1	107.2	96.9
Durum Wheat	0.3	0.0	0.8	0.0	0.3	0.0	0.3	0.3	0.0	1.1	0.3
Winter Wheat	0.0	0.0	0.3	0.7	1.2	1.3	1.6	1.3	7.3	7.3	2.1
ALL WHEAT ..	**72.9**	**68.9**	**117.8**	**104.4**	**101.9**	**80.3**	**129.2**	**89.2**	**112.4**	**115.7**	**99.3**
Oats	7.7	3.1	23.1	13.9	3.1	3.1	23.1	23.1	38.6	13.9	15.3
Barley	29.4	34.8	111.0	78.4	52.3	39.2	69.7	52.3	43.5	76.2	58.7
Rye	0.0	0.3	0.0	0.0	0.3	0.3	0.2	0.3	0.8	0.9	0.3
Flax	2.3	3.3	4.8	8.1	4.8	3.6	5.1	5.3	6.9	6.9	5.1
Canola	35.2	29.5	37.4	53.3	47.6	46.5	43.1	30.6	63.5	71.4	45.8
TOTAL MAJOR CROPS	**147.5**	**139.8**	**294.2**	**258.1**	**210.0**	**172.9**	**270.4**	**200.8**	**265.7**	**284.9**	**224.4**
Manitoba											
Spring Wheat	3,453.6	3,265.9	4,185.9	3,197.8	2,920.3	2,993.6	3,942.2	3,137.3	3,062.6	3,665.8	3,382.5
Durum Wheat	239.5	130.6	157.9	106.1	190.5	35.5	141.5	42.2	39.5	34.0	111.7
Winter Wheat	3.5	8.2	32.7	46.3	108.9	129.3	182.3	251.1	253.1	462.7	147.8
ALL WHEAT ..	**3,696.6**	**3,404.7**	**4,376.6**	**3,350.2**	**3,219.7**	**3,158.3**	**4,266.0**	**3,430.6**	**3,355.2**	**4,162.5**	**3,642.0**
Oats	663.2	624.6	1,056.4	735.6	1,030.2	854.4	1,016.3	748.0	1,017.9	1,095.0	884.1
Barley	1,328.1	1,328.1	2,111.9	1,685.2	1,630.8	1,214.9	1,622.0	1,234.5	1,175.7	1,371.7	1,470.3
Rye	38.1	53.3	66.0	62.2	116.9	76.2	55.9	37.7	38.1	50.8	59.5
Flax	381.0	403.9	358.2	355.6	360.7	271.8	205.8	199.4	214.6	195.6	294.7
Canola	1,485.5	1,227.0	1,068.2	1,496.9	1,803.0	1,707.8	1,487.8	1,134.0	1,428.8	1,769.0	1,460.8
TOTAL MAJOR CROPS	**7,592.5**	**7,041.7**	**9,037.3**	**7,685.8**	**8,161.3**	**7,283.4**	**8,653.8**	**6,784.2**	**7,230.3**	**8,644.6**	**7,811.5**

See Manitoba Agricultural Regions map on page 1.
Totals may not add due to rounding.
SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives; and Manitoba Crop Insurance Corporation.

CHART 25: Manitoba Production of Major Crops by Agricultural Region, 2003



SOURCE: Statistics Canada
PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

TABLE 112: Historical Operating Costs of Crop Production

(normal costs, excluding any abnormal pre-harvest spraying, eg. 1995 canola)

$ per acre	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83	1983/84	1984/85
All Wheat	42.51	44.43	43.61	53.84	69.80	81.71	68.97	82.20	85.90	83.85
Oats*	38.74	41.87	42.74	46.95	62.93	75.78	63.96	76.23	79.67	77.76
Barley	45.39	49.08	49.46	59.09	74.83	88.36	66.46	80.26	82.70	79.40
Rye*	25.21	28.25	29.46	33.64	44.89	54.41	45.93	58.34	63.30	60.40
Flax	47.60	49.46	50.47	58.39	74.77	83.99	56.25	68.71	72.30	71.90
Canola	39.24	42.56	43.20	52.45	69.86	80.29	66.92	78.86	79.65	83.10
Mixed Grain*	42.21	45.13	45.27	53.29	69.19	81.95	66.46	79.56	82.76	80.34
Grain Corn	72.24	78.38	84.28	95.27	118.77	113.76	112.90	161.50	163.50	168.60
Buckwheat	33.93	42.02	43.29	49.69	64.67	85.26	64.13	97.66	93.50	84.55
Canaryseed*	42.51	44.43	43.61	53.84	69.80	81.71	68.97	82.20	85.90	83.85
Dry Peas	70.77	68.32	62.01	64.72	74.51	85.87	72.48	90.90	89.10	88.30
Fababeans	70.77	68.32	62.01	64.72	74.51	85.87	69.55	99.57	89.10	88.30
Lentils	47.41	49.55	48.63	60.04	77.84	91.12	76.92	91.67	93.25	89.20
Mustardseed*	37.35	40.87	40.32	48.73	63.56	72.42	60.36	71.13	71.84	74.95
Soybeans								103.28	104.31	108.83
Sunflowerseed	43.25	46.42	46.59	55.34	71.19	103.88	86.58	90.25	92.60	90.50
Beans*	52.57	54.94	53.93	66.58	86.32	101.04	85.29	101.65	107.60	106.60

$ per acre	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95
All Wheat	82.50	87.86	79.50	82.70	88.79	88.44	89.19	84.85	87.40	88.96
Oats*	72.35	77.05	69.71	72.52	77.86	77.55	78.21	74.41	76.64	78.01
Barley	78.67	83.60	75.75	79.40	84.01	82.69	84.31	81.72	83.70	84.28
Rye*	59.79	65.70	57.50	60.77	63.40	64.74	68.10	66.60	66.76	67.95
Flax	71.59	80.93	66.60	70.12	77.63	79.50	82.79	77.60	78.12	80.76
Canola	110.44	112.05	100.50	103.09	108.99	112.31	124.70	122.22	122.49	125.10
Mixed Grain*	77.84	82.84	74.99	78.21	83.55	82.89	83.90	80.33	82.58	83.75
Grain Corn	162.48	167.86	156.67	142.31	154.45	152.96	152.48	147.47	148.37	160.31
Tame Hay*				60.77	63.40	64.74	68.10	66.60	66.76	67.95
Fodder Corn*				112.51	121.62	120.70	120.84	116.16	117.89	124.64
Buckwheat	85.76	91.05	82.30	85.64	94.75	89.51	103.10	93.19	96.29	102.49
Canaryseed*	82.50	87.86	79.50	82.70	88.79	88.44	89.19	84.85	87.40	88.96
Dry Peas	93.36	96.05	87.95	94.82	106.73	112.78	111.72	103.64	102.01	104.73
Fababeans	93.36	96.05	87.95	94.82	106.73	112.78	111.72	103.64	102.01	104.73
Lentils	94.54	97.21	92.01	91.11	98.17	101.86	114.71	108.57	107.21	108.58
Mustardseed*	79.77	81.22	70.81	92.99	98.31	101.30	112.48	110.24	110.48	112.84
Soybeans*	93.00	94.36	84.63	86.81	91.78	94.57	105.01	102.92	103.15	105.34
Sunflowerseed	94.59	100.38	87.95	93.16	98.28	107.21	101.97	100.07	101.45	105.23
Triticale*				74.29	78.73	78.62	80.53	77.72	79.29	80.40
Beans*	133.11	138.75	164.90	121.42	130.75	135.66	152.78	144.60	142.79	144.61

$ per acre	1995/96	1996/97	1997/98	1998/99	99/2000	2000/01	2001/02#	2002/03#	2003/04#	2004/05
All Wheat	96.68	105.04	105.06	105.38	105.82	102.67	117.31	111.56	121.91	121.90
Oats*	76.18	82.14	84.37	82.43	84.02	80.68	87.24	83.95	98.45	94.60
Barley	92.23	98.77	102.48	101.55	99.48	96.46	100.07	96.57	111.99	110.85
Rye*	73.85	80.23	80.25	80.49	80.83	78.42	81.47	77.48	84.67	82.34
Flax	86.41	88.52	101.19	99.38	99.11	98.28	102.51	95.21	106.49	104.11
Canola	143.16	155.06	164.24	161.60	154.49	151.84	152.23	142.69	159.32	146.82
Mixed Grain	88.36	95.32	97.30	96.45	96.02	93.15	101.54	97.36	110.78	108.84
Grain Corn	171.62	185.85	182.34	184.04	182.16	177.74	189.34	185.49	201.03	202.42
Tame Hay*	73.85	80.23	80.25	80.49	80.83	78.42	81.47	77.48	84.67	82.34
Fodder Corn*	134.15	145.45	143.70	144.71	143.99	140.21	153.33	148.53	161.47	161.75
Buckwheat	106.67	109.31	104.92	104.92	104.21	103.30	110.01	98.83	104.30	106.66
Canaryseed*	96.68	105.04	105.06	105.38	105.82	102.67	117.31	111.56	121.91	108.65
Dry Peas	105.97	122.79	139.86	151.66	128.60	111.75	108.58	107.86	123.80	113.45
Fababeans	105.97	122.79	139.86	151.66	128.60	111.75	108.58	107.86	123.80	113.45
Lentils	127.18	124.46	107.22	118.55	105.14	132.18	133.39	151.74	158.54	159.21
Mustardseed*	129.13	139.86	148.14	145.76	139.35	133.62	133.96	125.57	140.20	133.29
Soybeans*	120.55	130.57	138.30	136.08	130.09	127.86	128.19	126.49	141.37	151.06
Sunflowerseed	111.21	115.94	117.96	127.51	151.79	141.13	159.90	166.05	188.79	178.87
Triticale*	87.59	94.68	95.93	95.81	95.38	92.52	99.62	95.20	106.19	104.76
Beans*#	169.39	165.76	222.55	246.06	218.23	207.38	207.59	230.41	237.60	262.96

* For some years, costs may have been estimated by proxy.

SOURCE: Manitoba Agriculture, Food and Rural Initiatives.

TABLE 113: Historical Total Costs of Crop Production
(including labour)

$ per acre	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83	1983/84	1984/85
All Wheat	83.20	92.99	96.44	108.99	139.85	167.91	153.32	171.35	166.60	164.25
Oats*	80.34	91.49	96.66	103.37	134.29	163.70	149.48	167.05	162.42	160.13
Barley	86.48	98.36	103.12	115.19	145.89	175.86	150.81	169.41	163.40	159.80
Rye*	66.06	77.12	82.44	89.04	115.20	140.77	128.54	147.49	144.00	140.80
Flax	87.67	97.28	102.64	112.79	114.07	168.62	140.60	157.86	153.00	152.30
Canola	79.56	90.68	95.86	107.25	139.46	166.15	151.27	168.01	160.35	163.50
Mixed Grain*	83.34	94.28	98.74	109.18	140.01	169.16	151.20	169.27	164.14	161.39
Grain Corn	119.25	134.12	144.30	158.28	197.67	230.00	210.01	264.50	262.90	270.75
Buckwheat	73.50	89.26	94.67	103.20	133.02	169.52	148.48	189.26	174.20	164.95
Canaryseed*	83.20	92.99	96.44	108.99	139.85	167.91	153.32	171.35	166.60	164.25
Dry Peas	110.34	115.56	113.39	118.23	142.86	170.13	155.35	182.50	169.80	173.60
Fababeans*	110.34	115.56	113.39	118.23	142.86	170.13	153.90	191.17	169.80	173.60
Lentils	117.68	123.25	120.94	126.10	152.37	181.45	165.69	185.17	175.75	174.50
Mustardseed*	76.92	88.11	91.70	102.24	131.91	156.68	141.27	158.01	150.35	153.50
Soybeans*								196.77	188.63	192.84
Sunflowerseed	87.47	98.87	103.63	114.84	146.02	195.21	177.73	187.55	178.55	176.60
Beans*	121.43	127.18	124.79	130.12	157.22	187.24	170.97	200.85	202.30	201.60

$ per acre	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95
All Wheat	161.50	163.91	148.95	148.19	164.18	162.63	157.56	147.28	151.63	154.11
Oats*	150.02	152.26	138.37	137.66	152.51	151.07	146.36	136.82	140.86	143.16
Barley	157.67	159.65	145.20	144.89	159.40	156.88	152.68	144.15	147.93	149.43
Rye*	138.79	141.75	126.95	126.26	138.79	138.93	136.47	129.03	130.99	133.13
Flax	150.59	156.98	136.05	135.61	153.02	153.69	151.16	140.03	142.35	145.91
Canola	167.44	166.10	147.95	168.58	184.38	186.50	193.07	184.65	186.72	190.25
Mixed Grain*	156.40	158.61	144.17	143.58	158.70	156.86	152.20	142.75	146.81	148.90
Grain Corn	262.98	263.56	241.37	229.49	255.23	253.74	247.04	234.05	236.75	249.59
Tame Hay*				126.26	138.79	138.93	136.47	129.03	130.99	133.13
Fodder Corn*				188.84	209.71	208.19	202.30	190.67	194.19	201.85
Buckwheat	164.76	167.90	151.75	151.13	170.14	163.70	171.47	155.62	160.52	167.64
Canaryseed*	161.50	163.91	148.95	148.19	164.18	162.63	157.56	147.28	151.63	154.11
Dry Peas	177.36	176.90	163.30	174.65	199.32	205.37	198.50	182.89	183.06	170.78
Fababeans*	177.36	176.90	163.30	174.65	199.32	205.37	198.50	182.89	183.06	170.78
Lentils	178.54	178.06	165.36	157.50	174.56	177.05	184.03	171.90	172.34	174.63
Mustardseed*	167.44	166.10	147.95	168.58	184.38	186.50	193.07	184.65	186.72	190.25
Soybeans*	175.54	173.81	157.19	155.24	170.55	172.09	176.44	168.15	170.26	173.41
Sunflowerseed	179.59	181.83	160.20	160.45	175.60	183.40	172.24	164.30	167.48	172.18
Triticale*				139.78	154.12	152.81	148.90	140.15	143.52	145.56
Beans*	226.11	228.00	244.95	203.95	228.34	231.60	240.73	224.86	225.44	228.43

$ per acre	1995/96	1996/97	1997/98	1998/99	99/2000	2000/01	2001/02	2002/03	2003/04^{R}	2004/05
All Wheat	157.37	168.06	161.20	164.82	172.64	168.74	187.13	175.70	192.55	191.73
Oats*	136.87	145.16	140.51	141.87	150.85	146.75	157.06	148.09	169.09	165.24
Barley	152.92	161.79	158.62	160.99	166.30	162.53	169.89	160.71	182.63	181.49
Rye*	135.95	147.70	147.73	148.18	148.80	144.37	164.96	156.87	171.43	152.98
Flax	147.10	151.54	157.33	158.82	165.93	164.35	172.33	159.35	177.13	177.75
Canola	203.85	218.08	220.38	221.04	221.31	217.91	222.05	206.83	229.96	217.46
Mixed Grain*	149.05	158.34	153.44	155.89	160.47	159.34	171.36	161.50	181.42	179.48
Grain Corn	248.65	269.10	255.32	260.42	268.80	263.63	278.98	267.77	299.31	300.69
Tame Hay*	135.95	147.70	147.73	148.18	148.80	144.37	164.96	156.87	171.43	152.98
Fodder Corn*	203.01	218.58	208.26	212.62	220.72	216.19	233.06	221.74	245.93	246.21
Buckwheat	167.36	172.33	161.06	164.36	170.03	169.37	179.83	162.97	174.94	177.30
Canaryseed*	157.37	168.06	161.20	164.82	172.64	168.74	187.13	175.70	192.55	181.29
Dry Peas	167.46	186.61	196.70	211.80	195.42	177.82	178.40	172.00	196.44	186.09
Fababeans*	167.46	186.61	196.70	211.80	195.42	177.82	178.40	172.00	196.44	186.09
Lentils	188.67	188.28	164.06	178.69	171.96	198.25	203.21	215.88	231.18	224.83
Mustardseed*	203.85	218.08	220.38	221.04	221.31	199.69	203.78	189.71	210.84	203.93
Soybeans*	183.96	196.47	196.96	198.18	199.91	196.89	201.14	192.33	214.01	225.04
Sunflowerseed	173.50	180.56	175.50	188.35	218.61	207.20	229.72	230.19	261.43	251.51
Triticale*	148.75	159.18	155.85	158.00	162.58	158.55	173.99	164.43	182.20	175.40
Beans*^{R}	246.80	246.29	285.63	311.10	299.38	288.53	291.74	305.67	325.92	350.42

* For some years, costs may have been estimated by proxy.

SOURCE: Manitoba ^griculture, Food and Rural Initiatives.

LIVESTOCK

TABLE 114: Historical Production Value Summary of Livestock

Year	Cattle	Hogs	Lambs & Wool	Dairy	Poultry	Other Livestock*	TOTAL
	thousand dollars						
1960	50,142	17,820	614	30,959	22,031		121,566
1961	51,816	25,662	701	30,952	23,393		132,524
1962	53,048	19,614	609	30,962	21,907		126,140
1963	56,518	23,688	628	30,730	23,860		135,424
1964	54,120	25,740	629	29,986	23,856		134,331
1965	54,929	29,760	552	30,425	26,843		142,509
1966	66,341	38,324	500	29,999	30,179		165,343
1967	66,220	37,048	455	32,699	25,975		162,397
1968	64,944	35,010	400	33,775	28,522		162,651
1969	85,188	56,862	290	32,797	33,385		208,522
1970	92,303	63,826	183	32,063	33,294		221,669
1971	98,978	46,892	391	32,119	27,277		205,657
1972	112,880	71,940	470	35,980	31,879		253,149
1973	155,880	106,190	604	41,731	50,535		354,940
1974	147,840	79,402	621	57,592	53,327		338,782
1975	122,208	89,610	546	66,796	46,226		325,386
1976	133,004	87,591	406	61,829	58,455		341,285
1977	129,168	85,002	423	63,711	58,723		337,027
1978	180,780	110,000	620	67,705	61,437		420,542
1979	258,060	131,075	712	73,176	73,186		536,209
1980	248,880	118,064	886	85,606	80,171		533,607
1981	191,265	138,208	782	96,938	95,548		522,741
1982	188,692	170,408	937	106,036	95,419		561,492
1983	203,148	166,750	931	108,734	95,284		574,847
1984	240,500	191,261	960	116,172	103,904		652,797
1985	261,151	196,846	1,539	113,305	103,443		676,284
1986	296,215	254,533	1,947	117,410	103,633		773,738
1987	243,200	278,000	1,937	121,317	104,215		748,669
1988	290,700	225,000	1,803	129,165	113,075		759,743
1989	241,000	209,000	1,405	131,825	121,757	2,000	706,987
1990	318,500	251,000	1,179	128,459	125,932	3,350	828,420
1991	314,400	249,000	1,168	127,850	117,025	8,000	817,443
1992	318,500	235,000	1,259	123,801	114,028	12,200	804,788
1993	338,500	296,000	1,549	123,787	117,099	16,500	893,435
1994	366,600	302,000	2,051	135,583	121,428	19,500	947,162
1995	335,000	353,000	1,973	136,639	126,994	23,800	977,406
1996	333,000	466,000	2,572	138,923	136,325	27,900	1,104,720
1997	330,000	513,000	3,200	144,958	136,249	31,000	1,158,407
1998	407,000	422,000	2,863	149,910	143,142	31,200	1,156,115
1999^{R}	444,000	495,000	3,029	155,425	144,240	37,100	1,278,790
2000^{R}	489,000	715,000	4,726	156,196	161,350	34,800	1,561,100
2001^{R}	566,000	860,000	5,228	159,275	172,340	27,500	1,790,340
2002^{R}	510,000	760,000	5,487	164,182	179,027	33,400	1,652,096
2003	507,000	798,000	5,114	174,422	187,238	27,900	1,699,674

* Estimated value of other livestock commencing in 1989.

SOURCE: Statistics Canada; Agriculture and Agri-Food Canada; Ayerst Organics; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 115: Historical Production and Value of Cattle

Year	Commercial Marketings*	Local Slaughterings	Inventory Change	TOTAL	Value** per Animal	TOTAL VALUE
	thousand animals				$	($000)
1960	317	22	53	366	137	50,142
1961	371	26	-16	381	136	51,816
1962	253	23	73	349	152	53,048
1963	277	24	66	367	154	56,518
1964	337	24	49	410	132	54,120
1965	447	28	-62	413	133	54,929
1966	421	28	-42	407	163	66,341
1967	409	28	-52	385	172	66,220
1968	398	28	-57	369	176	64,944
1969	261	27	84	372	229	85,188
1970	312	26	45	383	241	92,303
1971	355	26	28	409	242	98,978
1972	347	26	42	415	272	112,880
1973	332	28	73	433	360	155,880
1974	351	26	71	448	330	147,840
1975	460	34	-38	456	268	122,208
1976	447	31	-40	438	258	133,004
1977	500	26	-58	468	276	129,168
1978	461	23	-91	393	460	180,780
1979	413	21	-43	391	660	258,060
1980	393	22	-7	408	610	248,880
1981	321	20	-30	311	615	191,265
1982	387	15	-80	322	586	188,692
1983	342	20	-20	342	594	203,148
1984	383	18	-33	368	653	240,500
1985	411	9	-27	393	664	261,151
1986	434	10	0	444	667	296,215
1987	399	10	-29	380	640	243,200
1988	400	10	-14	396	734	290,700
1989	378	8	-6	380	634	241,000
1990	403	8	7	418	762	318,500
1991	371	6	69	446	705	314,400
1992	442	6	5	453	703	318,500
1993	405	5	-7	403	840	338,500
1994	385	2	83	470	780	366,600
1995	406	2	85	493	680	335,000
1996	443	2	75	520	640	333,000
1997	462	2	-17	447	740	330,000
1998	506	2	-36	472	862	407,000
1999	537	0	-16	521	853	444,000
2000	475	0	45	520	940	489,000
2001	505	0	40	545	1,040	566,000
2002	530	0	5	535	950	510,000
2003	418	0	200	618	820	507,000

* Inshipments have been subtracted from total commercial marketings.

** Rounded to nearest dollar.

SOURCE: Statistics Canada; Agriculture and Agri-Food Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 116: Historical Commercial Marketings of Cattle - Manitoba Origin

Year	Under 1 Year		1 Year and Over		TOTAL		
	Animals	Value	Animals	Value	Animals	Value Each	VALUE
	(000)	($000)	(000)	($000)	(000)	$	($000)
1960	87	6,197	230	37,387	317	137	43,584
1961	111	8,721	291	46,143	402	136	54,864
1962	93	7,921	220	39,778	313	152	47,699
1963	90	6,776	257	46,581	347	154	53,357
1964	109	6,016	290	46,649	399	132	52,665
1965	165	11,068	363	59,234	528	133	70,302
1966	156	13,081	352	69,811	508	163	82,892
1967	165	15,135	335	70,886	500	172	86,021
1968	147	13,065	321	69,510	468	176	82,575
1969	94	10,682	298	79,123	392	229	89,805
1970	97	13,738	319	86,454	416	241	100,192
1971	109	15,674	308	85,169	417	242	100,843
1972	108	16,621	324	100,766	432	272	117,387
1973	105	24,044	324	130,370	429	360	154,414
1974	73	11,460	325	119,880	398	330	131,340
1975	91	9,874	421	127,342	512	268	137,216
1976	102	11,901	465	134,385	567	258	146,286
1977	122	15,494	517	160,870	639	276	176,364
1978	76	20,748	447	219,832	523	460	240,580
1979	73	32,131	371	260,909	444	660	293,040
1980	70	25,054	374	245,786	444	610	270,840
1981	47	14,095	320	211,610	367	615	255,705
1982	68	21,796	367	233,114	435	586	254,910
1983	72	35,576	306	188,956	378	594	224,532
1984	42	14,322	369	254,061	411	653	268,383
1985	56	19,712	378	268,464	434	664	288,176
1986	116	49,519	343	256,634	459	667	306,153
1987	127	72,340	293	196,460	420	640	268,800
1988	116	68,900	309	243,000	425	734	311,900
1989	110	60,000	268	179,600	378	634	239,600
1990	66	39,500	337	267,600	403	762	307,100
1991	61	32,600	310	231,700	371	712	264,300
1992	71	36,100	371	274,900	442	704	311,000
1993	78	48,000	327	292,000	405	840	340,000
1994	71	43,000	314	267,000	385	804	310,000
1995	95	48,000	311	241,000	406	712	289,000
1996	55	22,000	388	278,000	443	677	300,000
1997	107	60,000	355	280,000	462	736	340,000
1998	87	52,000	419	382,000	506	856	434,000
1999	146	94,900	391	361,100	537	849	456,000
2000	101	77,000	374	376,000	475	954	453,000
2001	82	63,400	423	468,600	505	1,055	532,000
2002	74	100,000	456	400,000	530	940	500,000
2003	88	56,000	330	284,000	418	813	340,000

SOURCE: Manitoba Health; Canadian Food Inspection Agency; AAFC

TABLE 117: Historical Production and Value of Hogs

Year	Commercial Marketings	Local Slaughterings	Inventory Change	TOTAL	Value* per Animal	TOTAL VALUE
	thousand animals				$	($000)
1960	506	76	-87	495	36	17,820
1961	519	66	26	611	42	25,662
1962	467	60	-60	467	42	19,614
1963	437	50	77	564	42	23,688
1964	582	52	26	660	39	25,740
1965	579	49	-8	620	48	29,760
1966	595	47	95	737	52	38,324
1967	766	56	20	842	44	37,048
1968	751	53	-26	778	45	35,010
1969	778	50	225	1,053	54	56,862
1970	1,093	50	215	1,358	47	63,826
1971	1,352	57	-175	1,234	38	46,892
1972	1,238	50	20	1,308	55	71,940
1973	1,277	55	-37	1,295	82	106,190
1974	1,270	53	-250	1,073	74	79,402
1975	886	52	-68	870	103	89,610
1976	835	46	22	903	97	87,591
1977	852	37	25	914	93	85,002
1978	895	40	65	1,000	110	110,000
1979	1,084	36	105	1,225	107	131,075
1980	1,250	30	-24	1,256	94	118,064
1981	1,220	23	-9	1,234	112	138,208
1982	1,229	24	0	1,253	136	170,408
1983	1,358	20	72	1,450	115	166,750
1984	1,583	26	40	1,649	116	191,261
1985	1,777	20	-55	1,742	113	196,846
1986	1,743	21	41	1,805	141	254,533
1987	1,825	15	177	2,017	138	278,000
1988	2,056	16	73	2,145	105	225,000
1989	2,178	18	-125	2,071	101	209,000
1990	1,957	18	53	2,028	124	251,000
1991	2,092	17	97	2,206	113	249,000
1992	2,280	14	9	2,303	102	235,000
1993	2,305	13	51	2,369	125	296,000
1994	2,383	8	171	2,562	118	302,000
1995	2,834	4	149	2,987	118	353,000
1996	3,105	3	56	3,164	147	466,000
1997	3,400	4	111	3,515	146	513,000
1998	3,970	5	85	4,060	104	422,000
1999	4,887	8	145	5,040	98	495,000
2000	5,296	10	234	5,540	129	715,000
2001	6,030	13	307	6,350	135	860,000
2002	6,450	10	190	6,650	114	760,000
2003	7,290	13	27	7,330	109	798,000

* Values rounded to nearest dollar.

SOURCE: Statistics Canada; Agriculture and Agri-Food Canada; Canadian Food Inspection Agency; Manitoba processing plants.

TABLE 118: Historical Commercial Hog Marketings - Manitoba Origin

Year	Animals	Value* Each	TOTAL VALUE
	(000)	$	($000)
1960			
1961	519	42	21,798
1962	467	42	19,614
1963	437	42	18,354
1964	582	39	22,698
1965	579	48	27,792
1966	595	52	30,940
1967	766	44	33,704
1968	751	45	33,795
1969	778	54	42,012
1970	1,093	47	51,371
1971	1,352	38	51,376
1972	1,238	55	68,090
1973	1,277	82	104,714
1974	1,270	74	93,980
1975	886	103	91,258
1976	835	97	80,995
1977	852	93	79,236
1978	895	110	98,450
1979	1,084	107	115,988
1980	1,250	94	117,500
1981	1,220	112	136,640
1982	1,229	136	167,144
1983	1,358	115	156,170
1984	1,583	116	183,628
1985	1,777	113	200,801
1986	1,743	141	245,763
1987	1,825	138	251,850
1988	2,056	105	215,880
1989	2,178	101	219,980
1990	1,957	124	242,670
1991	2,092	113	236,400
1992	2,280	102	233,000
1993	2,305	125	288,000
1994	2,383	118	281,000
1995	2,834	118	335,000
1996	3,105	147	457,000
1997	3,400	149	505,000
1998	3,970	106	419,000
1999	4,887	99	484,000
2000	5,296	130	690,000
2001	6,030	138	830,000
2002	6,450	115	745,000
2003	7,290	110	800,000

* Values rounded to nearest dollar.

SOURCE: Statistics Canada; Agriculture and Agri-Food Canada; Canadian Food Inspection Agency; Manitoba processing plants.

TABLE 119: Historical Production and Value of Lambs and Wool

Year	Manitoba-Origin Lamb Marketings		Shorn Wool Sold or Used on Farms			Total VALUE
	Animals	Value	Kilograms	Pounds	Value	
	(000)	($000)	(000)	(000)	($000)	($000)
1960	37	502	112	247	112	614
1961	42	561	128	283	140	701
1962	36	492	116	256	117	609
1963	34	516	107	236	112	628
1964	33	528	96	211	101	629
1965	28	439	85	188	113	552
1966	24	422	74	163	78	500
1967	23	384	74	163	71	455
1968	16	337	62	137	63	400
1969	10	240	58	128	50	290
1970	6	126	68	149	57	183
1971	17	357	68	150	34	391
1972	19	437	60	132	33	470
1973	18	507	63	138	97	604
1974	18	569	65	142	52	621
1975	15	520	44	98	26	546
1976	11	374	38	84	32	406
1977	10	388	43	95	35	423
1978	11	570	49	108	50	620
1979	13	655	39	85	57	712
1980	17	806	52	116	80	886
1981	18	700	60	133	82	782
1982	22	883	57	125	54	937
1983	20	874	62	136	57	931
1984	21	895	53	117	65	960
1985	20	1,494	47	104	45	1,539
1986	23	1,906	39	85	41	1,947
1987	21	1,883	41	90	54	1,937
1988	21	1,717	45	99	86	1,803
1989	21	1,331	51	112	74	1,405
1990	22	1,165	38	84	14	1,179
1991	25	1,148	46	101	20	1,168
1992	24	1,210	59	131	49	1,259
1993	21	1,500	58	128	49	1,549
1994	23	2,000	48	106	51	2,051
1995	24	1,900	59	130	73	1,973
1996	28	2,500	82	181	72	2,572
1997	32	3,100	83	182	100	3,200
1998	35	2,800	65	142	63	2,863
1999^R	38	3,000	66	145	29	3,029
2000^R	48	4,700	63	139	26	4,726
2001^R	59	5,200	56	123	28	5,228
2002	57	5,400	81	179	87	5,487
2003	53	5,000	104	229	114	5,114

SOURCE: Statistics Canada; Agriculture and Agri-Food Canada; Manitoba Health; Canadian Wool Growers Cooperative.

TABLE 120: Historical Production and Value of Dairy Products

Year	Milk Production		Factory Products				
	Whole Milk or Equivalent	Total Farm Value	Creamery Butter	Cheddar Cheese	Cereal & Whipping Cream	Variety Cheese	Ice Cream*
	(million litres)	($000)	(tonnes)	(tonnes)	(kilolitres)	(tonnes)	(kilolitres)
1960	468	30,959	11,239	221			9,547
1961	464	30,952	11,466	250			10,342
1962	466	30,962	11,614	286			10,760
1963	458	30,730	11,295	371			12,297
1964	442	29,986	10,688	428			13,333
1965	417	30,425	9,891	519			13,397
1966	382	29,999	8,559	654			13,220
1967	366	32,699	7,743	961			14,365
1968	367	33,775	8,009	909			14,356
1969	363	32,797	7,765	1,467			14,734
1970	351	32,063	7,100	1,919			15,284
1971	338	32,119	6,225	2,642			14,911
1972	355	35,980	5,906	4,324			15,465
1973	352	41,731	5,446	4,424			16,020
1974	333	57,592	4,611	4,248			17,556
1975	321	66,796	4,744	4,627			19,266
1976	281	61,829	4,053	4,615			20,448
1977	284	63,711	4,131	4,885			18,872
1978	283	67,705	4,277	5,121			18,774
1979	280	73,176	4,205	6,011			19,568
1980	288	85,606	4,199	6,857			20,941
1981	289	96,938	3,774	6,465			21,593
1982	294	106,036	4,266	4,788			20,660
1983	292	108,734	3,857	6,702			20,896
1984	297	116,172	3,847	6,906			19,277
1985	290	113,305	3,746	6,465			18,556
1986	291	117,410	3,859	5,859			16,962
1987	307	121,317	4,147	6,339			17,072
1988	311	129,165	4,506	6,100			16,210
1989	302	131,825	4,325	6,192			16,335
1990	293	128,459	4,562	5,895			15,799
1991	286	127,850	4,295	5,435			16,615
1992	277	123,801	4,841	5,183			17,081
1993	267	123,787	4,428	5,172			17,922
1994	281	135,583	4,412	6,964			18,394
1995	281	136,639	4,355	7,059	3,542	4,004	17,990
1996	274	138,923	4,828	5,846	3,358	4,860	15,361
1997	281	144,958	NA	7,183	2,848	4,927	NA
1998	286	149,910	NA	7,857	2,828	5,430	NA
1999	288	155,425	NA	7,143	2,830	6,171	NA
2000	294	156,196	NA	9,860	4,226	5,010	NA
2001	290	159,275	NA	7,513	3,307	7,011	NA
2002	286	164,182	NA	5,927	3,796	8,140	NA
2003	290	174,422	NA	7,873	4,066	6,492	NA

* Approximately two parts of ice-cream are made from one part of ice-cream mix.

SOURCE: Statistics Canada; Manitoba Milk Producers.

TABLE 120: Dairy Products Continued

Year	Milk Production		Factory Products				
	Whole Milk or Equivalent	Total Farm Value	Creamery Butter	Cheddar Cheese	Cereal & Whipping Cream	Variety Cheese	Ice Cream*
	(million lb)	($000)	(000 lb)	(000 lb)	(000 gal)	(000 lb)	(000 gal)
1960	1,070	30,959	24,778	487			2,100
1961	1,062	30,952	25,278	551			2,275
1962	1,066	30,962	25,605	631			2,367
1963	1,049	30,730	24,901	817			2,705
1964	1,011	29,986	23,563	944			2,933
1965	955	30,425	21,806	1,145			2,947
1966	875	29,999	18,868	1,441			2,908
1967	837	32,699	17,071	2,118			3,160
1968	840	33,775	17,656	2,004			3,158
1969	831	32,797	17,119	3,235			3,241
1970	804	32,063	15,652	4,230			3,362
1971	774	32,119	13,723	5,824			3,280
1972	813	35,980	13,020	9,532			3,402
1973	805	41,731	12,006	9,753			3,524
1974	763	57,592	10,165	9,366			3,862
1975	735	66,796	10,458	10,201			4,238
1976	643	61,829	8,935	10,174			4,498
1977	649	63,711	9,107	10,769			4,151
1978	647	67,705	9,429	11,290			4,130
1979	641	73,176	9,270	13,252			4,304
1980	659	85,606	9,257	15,117			4,606
1981	661	96,938	8,320	14,253			4,750
1982	673	106,036	9,405	10,556			4,545
1983	668	108,734	8,503	14,776			4,597
1984	680	116,172	8,481	15,225			4,240
1985	664	113,305	8,258	14,253			4,082
1986	666	117,410	8,507	12,917			3,731
1987	703	121,317	9,142	13,975			3,755
1988	712	129,165	9,934	13,448			3,566
1989	691	131,825	9,535	13,651			3,593
1990	670	128,459	10,057	12,996			3,475
1991	654	127,850	9,469	11,982			3,654
1992	634	123,801	10,672	11,426			3,757
1993	611	123,787	9,762	11,402			3,941
1994	643	135,583	9,727	15,353			4,129
1995	642	136,639	9,601	15,562	779	8,827	4,165
1996	627	138,923	10,644	12,888	739	10,715	3,703
1997	643	144,958	NA	15,836	626	10,862	NA
1998	654	149,910	NA	17,322	622	11,971	NA
1999	660	155,425	NA	15,747	622	13,604	NA
2000	672	156,196	NA	21,737	930	11,045	NA
2001	664	159,275	NA	16,563	727	15,456	NA
2002	655	164,182	NA	13,067	835	17,945	NA
2003	664	174,422	NA	17,357	894	14,310	NA

* Approximately two parts of ice-cream are made from one part of ice-cream mix.

SOURCE: Statistics Canada; Manitoba Milk Producers.

TABLE 121: Historical Production Value Summary of Poultry

Year	Eggs for Consumption	Chicken/Turkey Hatching Eggs	Total Value of Eggs	Number of Broiler Chickens	Number of Turkeys	Total Value of Poultry Meat	TOTAL VALUE
	000 dozen		000 dollars	000 birds		000 dollars	
1960			9,990		915	12,041	22,031
1961			10,079		1,145	13,314	23,393
1962	35,919	1,079	10,467	4,043	1,263	11,440	21,907
1963	36,358	1,202	12,119	4,972	1,237	11,741	23,860
1964	41,537	1,332	11,519	5,984	1,269	12,337	23,856
1965	41,254	1,502	13,429	6,362	1,330	13,414	26,843
1966	39,937	1,695	15,877	6,130	1,318	14,302	30,179
1967	47,215	1,623	14,378	5,844	1,108	11,597	25,975
1968	49,656	1,474	16,624	6,352	941	11,898	28,522
1969	52,052	1,688	19,944	8,138	937	13,441	33,385
1970	58,889	1,795	18,679	8,750	1,270	14,615	33,294
1971	55,968	1,638	14,176	7,175	1,305	13,115	27,291
1972	50,688	1,553	15,931	8,518	1,334	15,948	31,879
1973	52,458	1,371	26,992	9,189	1,325	23,543	50,535
1974	49,303	1,472	28,280	8,662	1,296	25,047	53,327
1975	48,573	1,335	25,774	8,649	960	20,452	46,226
1976	47,897	1,223	30,693	10,829	1,207	27,762	58,455
1977	47,275	1,250	30,232	10,394	1,250	28,491	58,723
1978	48,012	1,626	31,876	11,720	1,157	31,644	63,520
1979	47,389	1,777	34,978	12,662	1,301	38,206	73,186
1980	49,432	2,020	40,069	13,159	1,254	40,102	80,171
1981	49,660	2,202	47,940	13,865	1,181	47,608	95,548
1982	49,746	2,140	46,054	13,584	1,246	49,365	95,419
1983	50,490	2,159	47,375	13,073	1,169	47,909	95,284
1984	50,036	2,263	51,808	14,302	1,184	52,096	103,904
1985	50,354	2,474	51,415	15,306	1,242	52,120	103,535
1986	50,876	2,548	50,840	15,711	1,311	53,162	104,002
1987	52,211	2,641	50,564	16,615	1,277	52,422	102,986
1988	52,672	2,674	55,294	16,237	1,378	58,628	113,922
1989	51,507	2,780	62,207	16,504	1,442	59,550	121,757
1990	49,831	3,694	62,845	17,256	1,590	63,087	125,932
1991	51,288	2,606	60,731	17,391	1,594	57,982	118,713
1992	49,964	2,599	58,490	16,934	1,635	56,582	115,072
1993	49,253	2,589	59,877	17,361	1,583	57,377	117,254
1994	48,320	2,872	60,849	19,122	1,347	57,465	118,314
1995	48,674	3,116	66,998	19,262	1,384	57,584	124,582
1996	49,868	2,937	73,185	20,028	1,398	63,140	136,325
1997	49,968	2,128	70,142	20,571	1,309	66,107	136,249
1998	49,528	2,205	68,503	24,238	1,320	74,639	143,142
1999	51,698	2,480	71,055	24,943	1,304	73,185	144,240
2000	71,435	2,860	86,900	26,331	1,465	74,450	161,350
2001[R]	69,500	2,950	90,300	27,929	1,310	82,040	172,340
2002[R]	71,650	3,290	99,500	27,540	1,330	779,577	179,027
2003	70,844	3,054	103,682	27,202	1,405	83,556	187,238

SOURCE: Statistics Canada; Agriculture and Agri-Food Canada; Manitoba Chicken Producers; Manitoba Egg Producers; Manitoba Turkey Producers'.

TABLE 122: Historical Production Value Summary of Other Livestock

	Bison	Deer & Elk	Emus & Rheas	Goats	Horses	Llamas & Alpacas	Ost-riches	Pheasants	Rabbits	Wild Boars	TOTAL
	million dollars										
1990	0.50			0.40	1.40		0.10	0.80	0.10	0.05	**3.35**
1991	1.00			0.40	5.40		0.50	0.40	0.10	0.20	**8.00**
1992	1.50			0.45	6.00		2.30	0.80	0.20	0.95	**12.20**
1993	2.00		0.40	0.50	8.40	0.08	2.90	1.00	0.22	1.00	**16.50**
1994	5.00	0.20	0.40	0.43	8.50	0.07	2.40	1.00	0.50	1.00	**19.50**
1995	7.00	0.20	0.20	0.60	9.50	0.20	3.10	0.20	0.30	2.50	**23.80**
1996	8.00	0.20	4.00	1.00	8.30	0.50	3.50	0.20	0.20	2.00	**27.90**
1997	8.50	1.60	2.00	0.90	11.00	0.40	4.50	0.50	0.10	1.50	**31.00**
1998	9.30	3.50	1.00	1.10	12.00	0.20	2.00	0.50	0.10	1.50	**31.20**
1999	12.00	2.60	1.00	1.30	16.00	0.50	1.50	0.50	0.20	1.50	**37.10**
2000	14.00	1.30	0.30	1.20	15.00	0.60	0.50	0.40	0.20	1.20	**34.80**
2001	6.00	0.90	0.20	1.30	16.00	0.70	0.50	0.30	0.40	1.20	**27.50**
2002	2.50	1.80	0.30	1.30	23.00	0.70	1.50	0.50	0.40	1.40	**33.40**
2003	1.10	1.20	-	1.30	21.00	0.50	1.00	0.50	0.30	1.00	**27.90**

SOURCE: Various, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 123: Historical Manitoba Cattle Prices* by Weight Class

$/cwt live	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
SLAUGHTER CATTLE										
STEERS										
A Grade	85.83	82.00	78.69	82.70	82.63	86.78	95.28	103.45	96.91	90.22
HEIFERS										
A Grade	84.29	80.67	77.49	81.44	81.94	86.65	95.31	103.45	96.90	89.76
COWS										
D1.2	61.53	53.82	47.22	51.91	53.30	56.40	61.55	66.43	58.65	39.26
D3			36.60	43.31	45.83	48.30	53.26	57.81	53.04	32.47
BULLS	76.74	62.04	51.76	58.64	51.85	65.43	73.20	78.78	74.84	44.08
FEEDER CATTLE										
STEERS										
+400 kg (+900 lb)	95.02	84.55	74.49	89.34	92.73	98.14	110.55	115.88	106.60	101.70
350-400 kg (801-900 lb)	101.84	89.33	75.91	94.38	99.42	104.84	118.87	125.07	113.07	106.15
300-350 kg (701-800 lb)	108.98	94.51	76.91	98.58	104.52	110.97	126.10	132.80	118.54	111.36
250-300 kg (601-700 lb)	116.29	100.22	78.14	102.90	110.26	118.87	135.89	141.60	125.14	119.52
STEER CALVES										
200-250 kg (501-600 lb)	126.32	106.88	79.91	106.41	116.84	126.48	147.74	154.23	133.72	126.91
150-200 kg (401-500 lb)	132.60	111.84	83.14	109.87	122.61	134.85	161.14	165.95	141.33	133.80
Under 150 kg (-400 lb)	137.81	116.83	87.53	113.06	127.16	140.42	178.16	183.43	152.58	138.96
HEIFERS										
+350 kg (+800 lb)	94.68	83.22	71.93	88.24	91.99	98.03	112.64	120.39	107.34	100.31
300-350 kg (701-800 lb)	103.08	89.28	72.49	92.82	99.72	105.50	122.73	129.03	112.75	104.50
250-300 kg (601-700 lb)	110.38	94.20	72.33	94.99	104.10	112.61	131.71	137.60	118.50	109.65
200-250 kg (501-600 lb)	117.75	99.24	72.76	97.63	110.20	119.74	143.69	149.64	126.15	115.66
HEIFER CALVES										
150-200 kg (401-500 lb)	124.78	104.26	73.68	99.57	114.19	126.55	156.28	160.88	133.84	122.93
100-150 kg (301-400 lb)	129.71	108.70	75.24	103.44	119.01	132.13	171.00	175.75	145.91	129.46
Under 100 kg (-300 lb)	130.00	-	-	-	-	-	-	-	-	-
FEEDER COWS	66.55	61.71	-	-	54.19	57.21	-	-	-	-

* Simple averages 1995-2002.

SOURCE: Canfax.

TABLE 124: Historical Livestock Prices by Grade, Winnipeg

Year	LIVE CATTLE						HOGS	SHEEP***
	Slaughter Steers Grade A*	Good Slaughter Cows D1,D2	Total Slaughter +227 kg	Good and Choice Veal	Good Feeder Steers 350-400 kg	Steer Calves 150-200 kg	Index 100 Dressed**	A&B Lambs 36-43 kg
	cents per kilogram							
1960	49.8	34.2	40.4	67.1	46.3	47.9	47.7	34.8
1961	48.5	34.2	40.9	66.9	47.3	52.4	54.8	33.0
1962	56.7	37.9	45.9	73.5	53.8	60.5	56.6	35.6
1963	52.6	37.7	44.5	71.5	51.2	57.0	54.7	37.5
1964	-	34.0	39.7	67.7	46.0	49.0	51.9	38.8
1965	53.5	32.6	40.0	65.7	48.6	51.1	67.6	42.2
1966	57.1	41.6	47.2	75.7	56.3	63.1	73.7	44.1
1967	61.3	44.0	50.0	85.7	58.5	67.0	60.7	41.6
1968	61.0	43.1	51.2	83.6	59.2	68.0	62.0	47.3
1969	66.1	52.8	60.4	92.7	70.6	84.9	78.2	53.2
1970	68.5	51.6	62.5	103.0	72.8	86.9	64.4	59.1
1971	73.1	50.9	63.4	103.8	74.4	92.2	50.4	54.6
1972	78.4	58.3	70.2	117.5	85.5	102.0	75.0	61.3
1973	99.5	77.3	85.8	146.5	103.1	120.9	113.1	80.0
1974	107.5	59.8	81.5	155.0	89.6	92.4	101.7	99.1
1975	96.6	46.9	63.1	97.5	78.0	71.5	137.9	125.2
1976	86.5	50.5	61.0	103.7	79.4	80.8	130.1	88.7
1977	85.7	55.3	65.9	97.8	83.0	84.2	125.2	102.6
1978	127.9	88.0	101.9	163.2	129.3	141.6	149.5	145.8
1979	167.8	125.4	142.5	243.4	177.4	225.6	141.4	154.8
1980	167.7	114.7	135.2	243.7	167.6	195.2	124.9	143.7
1981	168.4	106.0	130.8	238.9	159.9	162.9	148.6	120.1
1982	165.7	102.3	124.3	238.0	158.3	164.6	177.7	122.0
1983	159.8	104.3	119.5	237.3	159.6	176.9	151.0	130.0
1984	171.2	106.9	126.5	241.1	165.3	184.9	154.5	144.0
1985	168.3	107.5	121.0	220.7	165.8	182.7	146.1	172.0
1986	168.9	110.4	122.9	218.2	167.6	210.6	178.8	182.0
1987	182.5	122.1	138.6	256.5	193.7	256.5	172.3	192.0
1988	178.0	122.2	137.1	264.9	196.6	250.1	132.7	155.0
1989	177.0	120.7	135.8	244.4	190.6	246.5	130.0	157.0
1990	181.5	130.2	144.9	-	196.7	256.9	157.0	132.0
1991	171.2	125.8	137.2	-	204.6	258.6	138.0	112.0
1992	179.3	126.0	139.5	-	197.8	250.0	126.3	130.0
1993	199.2	140.9	155.3	-	231.0	293.0	149.8	168.0
1994	189.2	135.6	162.8	-	224.5	292.3	139.0	192.0
1995	180.8	118.7	152.3	-	196.9	246.6	146.0	198.0
1996	173.5	104.1	NA	-	167.4	183.3	183.0	219.0
1997	182.3	114.4	NA	-	208.1	242.2	182.5	240.0
1998	182.2	117.5	NA	-	219.2	270.3	120.6	203.0
1999	191.3	124.3	NA	-	231.1	297.3	125.0	203.0
2000	210.1	135.7	NA	-	262.1	355.2	166.7	247.0
2001	228.1	146.5	NA	-	275.7	365.9	172.4	222.0
2002	213.7	129.3	NA	-	249.3	311.6	140.2	219.0
2003	198.9	86.6	NA	-	234.0	295.0	145.0	219.0

* Commencing 1973: A1,A2 grade (450+ kg). Commencing 1994: Grade A (568+ kg)

** Commencing July 1, 1996: includes weight premiums and bonuses.

*** Prior to 1973: prices were for Good Lambs.

SOURCE: Canfax; Agriculture and Agri-Food Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 124: Livestock Prices Continued

Year	LIVE CATTLE						HOGS	SHEEP***
	Slaughter Steers Grade A*	Good Slaughter Cows D1,D2	Total Slaughter +500 lb	Good and Choice Veal	Good Feeder Steers 800-900 lb	Steer Calves 400-500 lb	Index 100 Dressed**	A&B Lambs 80-94 lb
	cents per pound							
1960	22.60	15.50	18.32	30.45	21.00	21.74	21.65	15.78
1961	22.00	15.50	18.55	30.35	21.45	23.78	24.85	14.95
1962	25.70	17.20	20.80	33.35	24.40	27.42	25.65	16.15
1963	23.85	17.10	20.20	32.45	23.20	25.85	24.80	17.00
1964	-	15.40	18.00	30.70	20.85	22.21	23.55	17.60
1965	24.25	14.80	18.15	29.80	22.05	23.20	30.65	19.15
1966	25.90	18.85	21.40	34.35	25.55	28.60	33.45	20.00
1967	27.80	19.95	22.70	38.85	26.55	30.40	27.55	18.85
1968	27.65	19.55	23.20	37.90	26.85	30.85	28.10	21.45
1969	30.00	23.95	27.40	42.05	32.00	38.50	35.45	24.15
1970	31.05	23.42	28.35	46.70	33.00	39.42	29.20	26.80
1971	33.15	23.10	28.75	47.10	33.75	41.80	22.85	24.75
1972	35.54	26.45	31.86	53.30	38.80	46.28	34.00	27.80
1973	45.14	35.06	38.91	66.44	46.76	54.85	51.31	36.29
1974	48.76	27.12	36.97	70.30	40.62	41.90	46.12	44.94
1975	43.80	21.27	28.63	44.24	35.37	32.41	62.55	56.77
1976	39.25	22.92	27.67	47.04	36.02	36.66	59.03	40.22
1977	38.89	25.10	29.88	44.37	37.66	38.21	56.78	46.56
1978	58.01	39.93	46.21	74.04	58.67	64.23	67.83	66.14
1979	76.11	56.88	64.62	110.39	80.49	102.34	64.15	70.22
1980	76.06	52.05	61.33	110.56	76.04	88.53	56.67	65.17
1981	76.37	48.10	59.31	108.37	72.55	73.88	67.40	54.48
1982	75.17	46.42	56.38	107.97	71.81	74.65	80.61	55.38
1983	72.50	47.29	54.21	107.65	72.38	80.22	68.49	59.54
1984	77.67	48.49	57.39	109.38	74.98	83.89	70.10	65.35
1985	76.34	48.75	54.89	100.12	75.21	82.80	66.25	77.94
1986	76.62	50.07	55.77	98.96	76.03	95.54	81.10	82.46
1987	82.80	55.39	62.87	116.36	87.94	116.34	78.16	87.09
1988	80.76	55.45	62.21	120.17	89.17	113.45	60.19	70.19
1989	80.28	54.76	61.58	110.85	86.44	111.83	58.97	71.09
1990	82.33	59.05	65.74	-	89.24	116.53	71.22	59.89
1991	77.66	57.05	62.23	-	92.81	117.29	62.60	50.60
1992	81.35	57.15	63.29	-	89.70	113.42	57.29	59.05
1993	90.34	63.89	70.43	-	104.78	132.91	67.94	76.03
1994	85.83	61.53	73.84	-	101.84	132.60	63.00	87.00
1995	82.00	53.82	69.07	-	89.33	111.84	66.23	88.87
1996	78.69	47.22	NA	-	75.91	83.14	83.00	99.33
1997	82.70	51.91	NA	-	94.38	109.87	82.77	109.00
1998	82.63	53.30	NA	-	99.42	122.61	54.69	92.00
1999	86.78	56.40	NA	-	104.84	134.85	56.70	92.00
2000	95.28	61.55	NA	-	118.87	161.14	75.60	112.00
2001	103.45	66.43	NA	-	125.07	165.95	78.20	101.00
2002	96.91	58.65	NA	-	113.07	141.33	63.60	99.00
2003	90.22	39.26	NA	-	106.15	133.80	65.76	99.00

* Commencing 1973: A1,A2 grade (1,000+ lb). Commencing 1994: Grade A (1,251+ lb).

** Commencing July 1, 1996: includes weight premiums and bonuses.

*** Prior to 1973: prices were for Good Lambs.

SOURCE: Canfax, Agriculture and Agri-Food Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 125: Historical Winnipeg D1,2 Cow Prices, by Month ($/cwt)

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1962......	16.61	16.78	17.56	18.46	18.78	18.46	16.52	17.09	17.81	16.13	16.32	16.52
1963......	16.95	17.25	17.34	18.20	18.40	17.99	17.36	17.88	17.55	16.59	15.59	15.50
1964......	15.00	15.78	16.98	17.32	17.70	16.89	15.40	15.53	15.36	14.39	13.25	13.49
1965......	13.52	14.51	15.40	16.62	16.88	16.83	15.11	14.56	14.33	14.03	13.49	15.02
1966......	16.43	18.33	19.96	20.88	21.96	20.46	20.20	18.43	19.63	17.04	17.53	19.46
1967......	19.70	21.43	21.52	21.23	21.58	22.16	20.21	19.69	19.18	18.67	18.29	18.37
1968......	17.63	18.39	19.35	21.16	21.87	21.73	19.89	19.88	19.95	19.37	18.82	18.99
1969......	20.50	21.69	23.45	24.73	26.90	25.69	25.71	24.66	24.21	22.78	21.76	22.04
1970......	23.31	23.53	25.22	25.15	24.08	23.96	23.03	22.25	23.10	22.12	21.89	21.61
1971......	22.13	22.03	22.50	23.45	23.40	24.07	23.50	22.90	23.87	22.38	22.31	23.97
1972......	23.40	24.41	26.54	28.22	27.81	28.01	26.71	26.18	27.06	25.98	25.55	27.73
1973......	26.80	30.85	35.07	35.57	36.89	37.63	36.00	41.19	37.50	37.35	35.00	35.25
1974......	35.21	33.83	36.15	36.93	35.41	34.00	29.73	26.06	24.04	20.07	18.59	19.39
1975......	19.56	20.05	22.36	25.16	24.90	24.28	21.59	20.26	21.78	21.12	19.70	19.77
1976......	22.04	24.97	26.90	28.88	28.58	28.00	26.03	23.11	22.01	20.05	18.92	19.90
1977......	20.91	22.96	24.74	27.34	27.24	27.15	26.34	25.61	25.84	25.54	25.17	25.62
1978......	28.13	33.11	36.15	42.20	45.99	45.87	42.89	42.19	44.02	47.39	44.32	46.57
1979......	55.68	60.61	63.43	63.32	62.60	60.25	56.99	54.89	54.36	51.44	51.09	53.74
1980......	52.21	53.79	52.59	52.81	49.95	48.68	50.97	53.97	54.18	52.93	51.00	51.82
1981......	50.78	51.27	50.43	51.30	50.69	50.77	52.03	52.46	50.47	43.49	41.92	41.37
1982......	42.57	41.96	46.18	48.48	50.55	51.29	52.94	51.55	48.95	45.75	40.92	40.34
1983......	41.94	46.76	49.73	52.03	53.19	53.25	51.74	50.57	46.87	43.84	41.27	41.67
1984......	44.87	47.40	51.71	53.09	52.67	52.47	52.02	52.07	46.66	46.00	44.31	45.37
1985......	46.85	51.92	54.05	52.10	52.16	54.41	51.30	50.29	47.30	44.16	42.90	44.52
1986......	45.22	49.87	51.06	48.76	50.68	51.54	52.08	50.94	52.49	51.75	48.11	48.39
1987......	51.32	53.02	54.26	53.76	55.85	58.34	58.97	59.64	56.72	53.06	53.50	56.34
1988......	57.00	56.29	59.05	59.00	60.06	55.24	56.34	56.53	55.45	52.34	50.95	51.02
1989......	52.12	54.92	55.02	53.35	55.06	56.79	59.30	56.45	57.63	53.79	51.68	53.81
1990......	57.35	60.55	60.34	58.38	59.44	63.60	62.65	61.24	58.89	57.47	54.12	56.88
1991......	54.10	58.88	61.17	60.76	61.42	61.77	57.88	57.57	54.96	53.82	50.19	50.69
1992......	53.13	56.26	58.78	56.62	59.08	58.33	58.24	59.53	56.44	57.66	55.48	57.54
1993......	61.23	61.96	61.05	64.05	65.01	67.03	67.48	68.54	66.53	64.72	62.81	59.34
1994......	61.88	63.09	63.15	67.05	65.22	63.75	64.90	63.95	59.84	54.59	54.22	56.75
1995......	58.16	59.81	59.38	56.66	55.30	59.00	56.63	53.90	51.03	47.27	43.90	44.75
1996......	46.72	47.93	46.28	43.19	46.18	47.75	51.81	51.20	49.91	47.30	43.13	45.25
1997......	45.00	47.94	55.53	56.98	57.19	55.25	56.48	55.86	50.50	47.98	46.09	48.08
1998......	52.56	51.78	53.09	55.88	56.56	56.22	56.75	56.25	53.15	48.25	49.47	49.63
1999......	53.78	54.69	56.93	55.16	55.42	58.80	58.53	58.25	55.08	53.69	56.50	60.00
2000......	56.21	58.44	59.56	62.66	65.44	65.98	65.13	62.63	61.25	60.38	60.60	60.29
2001......	61.16	67.44	67.88	69.75	72.75	74.59	73.00	71.18	69.03	59.91	55.69	54.81
2002......	56.98	61.19	67.39	63.79	63.00	61.02	57.22	57.94	57.16	53.36	51.04	53.76
2003......	56.97	59.17	58.50	60.00	57.87	N.A.	N.A.	N.A.	15.38	16.07	14.55	14.87

SOURCE: Canfax; Agriculture and Agri-Food Canada

TABLE 126: Historical Winnipeg Grade A Steer Prices, by Month ($/cwt)

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1962......	23.48	23.00	22.72	23.52	24.11	24.90	26.44	26.95	27.62	27.80	27.61	25.72
1963......	23.68	22.30	21.33	22.25	22.69	23.60	24.65	25.60	25.15	23.22	21.71	21.12
1964......	20.35	20.88	22.00	22.34	22.80	22.03	22.13	22.66	22.27	21.44	21.42	21.06
1965......	20.97	21.77	22.11	22.74	23.35	24.58	24.88	23.96	23.55	23.45	23.98	24.77
1966......	25.52	26.10	25.99	25.65	25.36	24.46	24.10	24.17	24.88	24.98	25.07	26.21
1967......	25.78	26.06	25.56	25.33	25.40	26.45	26.67	27.77	28.57	28.47	28.63	27.88
1968......	26.38	25.42	24.62	25.31	26.48	27.31	27.61	28.26	28.83	28.36	27.76	26.87
1969......	26.99	27.02	28.87	31.66	34.44	34.94	33.31	31.39	29.02	27.49	27.07	27.87
1970......	30.95	32.23	32.57	32.55	32.48	31.57	30.90	30.09	29.51	28.83	30.06	29.98
1971......	31.22	32.66	32.63	32.93	34.03	34.00	33.34	32.91	32.89	32.78	33.79	34.81
1972......	35.72	35.04	35.48	35.76	37.37	37.77	36.64	34.63	33.33	33.35	36.17	37.96
1973......	39.50	41.79	43.27	42.96	44.50	46.23	46.48	53.99	48.44	46.79	45.89	45.16
1974......	50.83	50.73	44.72	44.62	47.35	48.98	51.05	52.07	49.77	47.78	50.25	48.20
1975......	44.27	38.26	36.73	37.62	48.61	48.65	49.72	45.90	45.21	45.17	44.75	42.61
1976......	39.59	38.20	37.67	42.22	42.62	40.03	38.21	36.91	38.61	38.92	38.66	38.68
1977......	36.33	35.49	36.31	38.37	39.79	40.23	40.08	41.45	42.57	44.43	46.04	44.87
1978......	44.84	45.41	49.95	55.08	61.50	66.17	60.80	61.54	62.66	64.08	63.75	63.82
1979......	67.78	76.29	78.83	78.81	80.26	80.62	76.36	72.24	75.54	73.82	74.51	76.67
1980......	79.66	78.46	73.13	70.56	72.65	71.66	74.76	77.13	80.32	79.64	80.51	80.58
1981......	79.80	75.70	74.12	75.54	77.82	78.51	78.11	77.22	76.08	75.66	72.85	72.14
1982......	66.49	68.77	70.25	75.85	84.47	83.72	78.85	74.93	74.64	70.21	72.48	71.37
1983......	69.21	70.42	71.83	77.59	78.59	76.75	71.67	71.08	69.49	70.55	71.77	73.02
1984......	76.98	77.18	77.79	80.91	81.87	75.67	79.38	76.66	76.66	75.99	78.54	81.29
1985......	80.63	78.13	79.08	78.55	77.40	76.10	71.30	69.29	70.84	75.79	81.21	81.38
1986......	76.57	73.85	72.42	72.09	73.28	72.60	74.63	76.49	80.47	81.11	82.26	81.23
1987......	79.10	77.73	78.19	81.25	89.02	86.21	81.79	82.80	82.47	80.75	80.15	78.51
1988......	77.45	80.26	80.73	84.77	86.53	82.53	75.87	76.43	79.35	75.87	74.91	76.12
1989......	79.97	82.71	83.91	80.22	80.34	78.52	79.57	80.31	79.50	80.00	81.59	80.79
1990......	82.42	83.17	81.02	81.97	82.20	82.33	81.35	82.57	81.36	82.71	84.08	85.86
1991......	82.09	82.66	83.31	82.35	81.25	79.05	77.39	74.61	73.41	72.85	70.99	71.30
1992......	73.76	79.97	81.68	81.69	81.01	79.36	79.68	79.28	81.17	83.77	84.40	88.23
1993......	91.39	90.93	94.00	94.33	94.46	90.48	86.48	88.42	88.67	86.72	86.52	86.32
1994......	87.47	87.44	91.23	93.41	86.66	82.50	83.28	86.63	81.85	80.61	84.50	85.10
1995......	90.48	92.47	88.40	82.28	77.97	80.43	78.85	77.78	76.58	76.72	80.25	82.01
1996......	78.69	76.00	76.53	72.34	70.55	74.84	76.83	80.88	85.34	85.18	86.42	80.67
1997......	78.50	78.94	84.47	84.08	84.91	81.84	81.68	83.63	80.56	82.73	85.50	85.54
1998......	84.03	80.25	80.28	82.06	84.84	84.44	82.00	82.38	80.00	81.91	84.91	84.50
1999......	82.71	83.56	86.25	87.00	85.63	86.83	83.22	84.84	84.05	86.75	92.42	98.13
2000......	91.54	91.38	96.08	99.56	101.06	96.10	93.00	90.48	89.88	90.72	99.05	104.50
2001......	107.90	111.06	114.22	113.00	106.40	102.94	102.63	99.23	99.28	93.10	93.13	98.50
2002......	103.33	105.25	106.25	98.78	93.63	91.22	89.03	91.88	91.84	91.80	97.16	102.69
2003......	109.03	107.56	102.00	105.05	101.19	-	-	-	70.13	65.71	75.28	76.04

SOURCE: Canfax; Agriculture and Agri-Food Canada.

TABLE 127: Historical Winnipeg Feeder Steer (800-900 lb) Prices, by Month ($/cwt)

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1962	22.30	22.37	23.04	23.83	23.82	24.62	24.77	25.58	25.77	24.84	25.39	24.29
1963	23.79	22.26	22.87	24.46	24.34	24.50	24.64	25.18	22.94	22.39	21.81	20.01
1964	21.51	21.43	23.16	22.58	22.14	22.02	20.77	20.90	20.50	19.09	19.13	18.45
1965	18.94	19.99	20.86	21.41	22.42	23.33	23.22	22.92	22.84	22.12	22.52	22.77
1966	24.11	25.99	26.54	26.20	26.25	26.22	24.58	25.93	25.42	24.33	24.62	25.48
1967	26.00	26.14	25.93	26.15	26.63	27.81	26.58	26.93	26.92	25.96	25.90	25.98
1968	23.90	25.43	26.01	26.00	27.37	28.20	27.93	27.66	26.79	26.81	27.17	27.30
1969	27.20	27.90	29.75	31.42	33.80	35.29	34.56	32.97	32.30	31.60	32.00	32.28
1970	32.62	34.49	35.73	33.89	33.60	33.98	33.53	31.92	31.91	31.35	32.44	32.20
1971	32.76	33.19	33.36	33.14	33.35	34.00	33.64	33.80	33.62	34.65	34.65	34.27
1972	35.44	36.10	36.64	37.29	40.79	42.09	39.45	38.63	38.44	39.02	38.43	39.96
1973	36.99	41.86	44.74	42.73	44.75	46.16	47.55	57.04	49.27	49.51	50.07	48.03
1974	47.20	46.71	45.73	46.51	45.81	39.42	39.31	38.70	37.02	36.41	38.29	39.44
1975	35.78	32.65	32.16	32.88	37.92	40.66	37.68	35.76	33.99	34.76	34.96	34.83
1976	34.73	35.48	36.35	39.33	42.27	38.91	36.44	33.57	35.72	32.06	32.50	32.44
1977	32.07	32.28	34.12	35.92	36.31	37.38	38.53	39.16	39.67	40.63	41.47	40.28
1978	41.65	44.90	49.23	52.57	61.52	64.85	61.72	62.50	63.94	64.72	64.76	65.21
1979	70.52	84.48	88.70	86.94	84.67	83.85	81.88	75.04	80.21	76.76	75.39	78.71
1980	79.87	80.54	76.63	73.76	73.77	70.91	73.53	76.51	77.38	75.62	77.65	79.39
1981	77.02	73.74	74.34	75.02	76.67	75.57	74.83	72.60	71.06	70.15	67.32	69.06
1982	60.63	65.16	66.88	71.03	75.28	77.51	75.83	77.34	74.36	68.64	71.65	71.46
1983	70.67	73.43	65.71	76.49	74.33	75.41	70.74	70.22	67.99	69.10	69.82	71.64
1984	74.25	74.04	75.52	74.94	75.21	73.78	75.61	75.50	75.73	74.54	73.92	75.62
1985	77.47	77.76	77.46	78.37	77.73	76.24	72.12	70.69	71.46	72.37	74.30	75.15
1986	74.17	74.45	74.73	74.20	73.02	72.63	73.48	76.32	77.79	79.40	78.98	79.43
1987	81.59	82.45	82.79	84.62	88.66	87.76	86.68	89.10	95.09	91.68	86.18	89.00
1988	90.44	94.49	92.37	93.22	90.79	84.72	83.89	85.73	88.98	86.71	85.50	85.01
1989	86.42	86.07	86.55	84.94	85.00	84.93	86.24	89.95	87.88	87.69	85.51	86.98
1990	87.12	85.89	84.92	85.25	85.72	89.42	88.62	93.13	92.94	93.13	90.28	92.63
1991	92.53	94.23	94.48	95.93	93.14	94.44	92.03	91.03	92.18	89.67	87.30	86.48
1992	85.47	86.44	86.29	86.23	85.63	87.91	88.67	92.85	94.30	95.68	95.59	95.87
1993	99.70	102.12	99.95	100.68	102.91	103.89	100.19	107.98	112.72	111.57	106.28	104.98
1994	105.17	106.19	106.33	107.56	101.31	99.25	103.13	105.33	101.38	94.35	95.22	98.30
1995	100.50	97.63	93.20	88.97	88.31	90.60	88.50	87.69	86.53	86.25	82.94	80.25
1996	72.83	68.77	69.73	67.87	68.18	74.53	78.62	80.33	83.13	82.56	82.21	81.46
1997	82.75	85.25	86.13	88.50	93.38	93.13	96.40	105.57	101.13	99.65	98.90	101.79
1998	100.82	98.49	98.47	98.85	101.18	99.00	94.25	94.94	97.93	101.97	104.63	102.46
1999	100.88	101.34	99.75	98.69	99.01	104.96	101.95	108.05	111.21	108.91	110.40	112.89
2000	113.17	109.90	111.42	115.55	117.69	118.14	118.83	124.29	126.55	122.61	122.68	125.56
2001	121.31	118.74	117.26	121.01	123.25	129.00	131.56	135.51	136.90	127.81	118.50	119.96
2002	116.94	116.60	113.25	110.61	109.86	106.14	107.22	111.22	111.92	116.71	115.80	120.53
2003	115.78	107.86	104.81	109.03	110.33	-	-	-	103.79	103.39	103.89	96.50

SOURCE: Canfax, Agriculture and Agri-Food Canada

TABLE 128: Historical Winnipeg Steer Calf (500-600 lb) Prices, by Month ($/cwt)

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1967	41.10	40.80	39.44	38.61	39.69	39.42	36.47	36.98	38.05	36.30	35.20	39.22
1968	39.66	40.83	38.66	39.96	40.49	39.99	36.32	33.97	35.96	35.85	35.14	38.02
1969	40.62	42.10	41.98	41.07	44.02	44.87	41.36	38.87	42.14	41.93	41.83	43.24
1970	46.10	46.37	47.22	46.37	47.98	48.00	44.78	45.40	47.65	45.66	45.50	46.99
1971	49.98	47.39	47.59	47.60	47.04	48.45	47.54	44.34	44.09	43.38	42.00	49.32
1972	52.00	52.04	52.34	52.16	55.85	55.12	54.29	52.81	51.67	50.39	42.04	58.86
1973	60.14	65.18	64.72	64.78	67.83	67.22	68.62	68.03	68.38	64.01	63.93	72.07
1974	73.45	70.94	75.29	76.36	75.53	79.16	71.34	54.15	56.94	52.29	56.95	59.09
1975	63.06	62.60	48.58	49.27	41.91	51.15	46.03	38.75	37.25	33.80	34.89	34.85
1976	46.35	49.01	51.14	51.49	50.04	52.01	45.80	43.31	44.98	39.56	38.17	38.50
1977	40.47	41.90	45.80	47.03	47.92	47.00	44.12	45.14	42.54	41.04	41.86	45.44
1978	50.92	52.77	59.31	63.88	66.67	80.31	77.79	78.84	79.05	74.60	79.60	90.81
1979	91.32	107.06	116.47	118.57	117.44	124.27	119.02	112.27	107.92	106.97	96.38	103.86
1980	112.19	116.99	117.21	114.27	115.51	114.94	107.95	105.06	104.89	102.00	103.89	101.69
1981	98.82	113.93	110.98	108.63	112.60	117.76	113.94	111.53	100.04	90.33	91.59	98.13
1982	100.36	109.31	117.35	113.53	109.63	114.26	109.98	104.46	103.81	88.86	89.24	100.38
1983	105.27	103.66	111.69	115.23	116.09	119.29	110.73	102.95	99.22	95.65	96.36	95.20
1984	111.93	97.92	112.43	114.06	118.18	110.43	110.36	110.21	108.70	96.40	99.13	103.99
1985	104.94	102.83	110.02	110.21	111.55	98.09	100.67	99.31	90.65	85.72	95.74	94.51
1986	96.66	97.09	98.40	95.91	97.35	97.93	101.53	94.27	96.76	97.93	97.54	108.21
1987	103.16	103.54	105.29	112.03	116.02	121.78	124.44	126.72	125.63	120.54	122.71	122.66
1988	116.00	120.68	118.18	115.19	115.26	105.37	97.02	96.93	107.08	111.08	102.91	101.03
1989	101.78	104.37	105.75	103.46	102.25	101.39	100.55	102.42	107.28	108.20	105.59	106.78
1990	102.63	102.61	102.54	107.18	105.82	114.26	110.84	110.14	111.90	110.18	108.78	110.26
1991	110.05	110.71	115.74	117.29	114.98	115.78	111.67	108.65	110.79	108.29	107.01	105.73
1992	104.33	106.66	106.79	110.73	106.30	105.34	103.44	104.92	108.88	108.49	108.74	111.70
1993	112.46	116.17	121.52	121.47	122.89	123.41	121.30	124.82	130.23	129.39	126.44	125.81
1994	126.38	128.94	134.55	140.13	132.03	125.65	125.38	127.13	123.98	116.22	117.44	118.70
1995	122.06	120.38	119.38	113.42	108.40	108.78	102.00	101.42	100.02	99.58	93.77	78.56
1996	74.17	72.56	77.24	75.82	75.11	80.02	79.00	78.32	85.60	86.78	86.40	85.34
1997	85.63	95.50	98.38	100.70	106.25	104.00	106.00	118.16	118.83	114.16	111.84	117.48
1998	119.61	122.28	117.31	115.70	118.92	118.69	113.44	111.13	113.80	115.53	117.47	118.25
1999	117.25	124.10	121.48	122.90	121.82	123.37	120.47	128.42	134.84	132.13	134.90	136.05
2000	143.64	143.65	146.22	147.68	148.97	146.24	142.39	153.35	152.39	150.60	145.15	152.60
2001	152.11	157.04	161.17	159.39	155.95	159.63	158.25	160.00	153.23	145.60	144.67	143.75
2002	143.85	152.22	149.72	149.10	137.24	127.19	121.13	120.88	117.63	123.40	129.07	133.15
2003	133.93	136.80	133.54	138.38	139.31	N.A.	N.A.	N.A.	111.77	113.43	120.03	115.01

SOURCE: Canfax; Agriculture and Agri-Food Canada.

TABLE 129: Historical Monthly Weighted Average Index 100 Hog Prices ($/100 kg)

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1962	52	54	54	55	57	63	68	68	63	62	63	63
1963	62	61	56	50	54	61	62	60	59	54	52	54
1964	53	55	52	51	53	58	57	56	57	54	53	54
1965	53	55	57	57	62	73	76	76	77	77	80	88
1966	90	93	77	70	78	80	73	76	74	71	67	66
1967	65	67	64	61	67	66	61	63	63	61	58	59
1968	57	58	58	56	59	64	67	74	74	70	71	72
1969	70	73	69	66	73	80	80	82	86	82	79	82
1970	82	83	75	68	68	66	63	60	60	54	53	50
1971	48	51	47	43	47	47	51	55	55	55	55	56
1972	60	68	67	68	69	72	77	80	84	86	84	88
1973	91	104	108	99	97	102	121	145	131	126	123	119
1974	108	104	96	88	85	85	93	110	117	113	111	116
1975	116	118	106	109	127	143	165	166	175	165	151	152
1976	152	145	140	137	139	139	141	134	128	110	101	108
1977	106	113	115	111	125	133	137	134	134	125	130	137
1978	140	149	135	131	151	147	136	144	156	171	170	163
1979	155	170	164	145	139	143	136	131	138	130	122	126
1980	113	117	110	95	99	105	120	138	153	154	150	149
1981	140	140	133	131	134	153	171	166	171	161	147	142
1982	138	149	156	167	187	199	201	204	206	191	168	171
1983	175	183	166	151	152	147	143	150	151	136	126	138
1984	145	144	143	151	155	160	172	172	161	148	155	158
1985	154	158	150	131	133	143	151	139	142	150	147	154
1986	150	153	144	140	153	172	204	218	218	200	204	191
1987	168	171	158	161	185	200	203	200	185	166	140	141
1988	135	142	135	133	144	152	138	133	128	121	118	118
1989	120	122	114	111	121	135	141	144	134	140	137	135
1990	127	140	142	149	173	184	179	171	157	164	149	144
1991	141	151	146	145	155	158	149	147	129	126	110	108
1992	102	117	116	118	128	137	134	128	129	133	131	138
1993	133	137	144	147	153	160	153	164	168	160	143	137
1994	145	165	156	152	152	152	151	151	126	110	101	113
1995	135	142	135	125	126	149	166	170	168	157	133	147
1996*	144	157	166	171	194	195	205	210	190	193	183	190
1997*	184	178	170	192	204	203	208	195	179	167	162	148
1998*	130	129	125	127	156	158	135	134	113	108	71	61
1999*	103	107	105	117	140	130	122	142	132	132	130	140
2000*	142	165	164	186	187	188	185	167	158	160	144	155
2001*	142	152	180	185	194	199	199	196	179	163	143	137
2002*	155	162	153	137	139	145	157	142	111	130	122	129
2003*	134	142	138	140	156	163	159	152	145	136	126	125

* Price includes premiums and bonuses.

SOURCE: Agriculture and Agri-Food Canada (1962-1996); Manitoba Agriculture, Food and Rural Initiatives, Manitoba pork processors (1996-2002).

TABLE 130: Historical Monthly Weighted Average No. 1 Sow Prices ($/100 kg)

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1962	37.89	39.68	39.96	39.96	40.78	42.99	47.67	50.29	49.60	50.29	47.26	49.88
1963	49.88	50.15	45.47	42.44	42.85	42.71	42.44	41.61	41.34	40.65	37.89	38.30
1964	38.17	37.89	38.44	38.58	38.44	39.13	37.20	36.38	36.93	37.06	36.51	36.79
1965	36.51	36.68	36.76	48.78	49.82	51.81	60.49	64.62	66.88	68.95	71.37	74.49
1966	75.53	82.42	79.92	61.37	64.54	68.01	62.09	55.91	57.43	62.91	60.79	60.38
1967	57.57	59.00	60.13	58.15	57.15	56.24	50.73	50.29	51.92	51.48	47.34	46.79
1968	45.36	46.68	47.67	47.34	48.64	50.57	50.18	54.26	56.27	55.64	55.91	56.35
1969	56.60	60.05	63.19	62.42	62.25	68.26	73.22	76.97	78.59	77.22	76.91	76.25
1970	76.03	77.38	72.56	68.07	62.58	56.49	52.88	48.56	47.48	42.36	35.55	33.21
1971	27.50	34.00	34.50	33.60	34.60	33.90	35.10	34.60	33.10	32.60	34.60	36.00
1972	46.50	53.30	52.00	51.70	57.30	55.40	56.90	57.40	61.30	63.20	59.20	59.50
1973	61.00	71.10	83.00	78.20	80.00	84.50	91.90	117.40	102.20	97.50	96.30	84.40
1974	80.50	78.30	72.20	60.90	49.70	41.10	44.10	54.60	63.60	70.50	71.40	60.80
1975	65.90	82.20	79.50	75.00	78.80	99.10	106.20	111.60	128.70	137.90	110.90	106.30
1976	107.50	108.30	106.50	108.40	109.70	108.80	106.40	90.30	85.60	64.80	57.70	64.10
1977	76.20	85.50	86.30	85.60	92.10	95.60	99.60	97.20	94.80	91.20	90.90	91.80
1978	92.00	94.90	97.20	101.30	103.80	102.30	97.40	107.70	108.30	120.90	114.20	110.60
1979	116.10	119.00	120.90	112.00	101.40	92.50	85.60	80.90	85.40	80.50	72.60	72.90
1980	84.50	84.60	80.20	62.30	65.30	64.40	85.50	99.40	111.40	113.00	112.30	108.70
1981	101.90	102.00	96.80	93.20	95.00	105.40	123.50	116.90	126.10	126.20	112.10	97.00
1982	93.60	106.30	114.50	123.80	134.90	148.10	155.50	156.60	157.80	156.10	142.30	137.00
1983	138.10	140.80	136.90	127.20	116.70	106.90	98.30	98.10	96.50	88.00	78.50	80.20
1984	98.20	110.20	108.50	112.50	116.30	116.70	123.10	120.10	113.70	106.30	108.90	113.60
1985	119.10	119.20	118.60	98.50	104.10	97.30	93.20	90.40	84.90	87.80	92.50	93.20
1986	90.70	96.20	91.60	88.60	93.20	103.20	126.60	143.20	155.60	136.90	137.80	127.60
1987	106.40	109.70	107.50	105.30	131.00	114.10	133.90	127.90	123.20	110.50	87.60	109.50
1988	78.80	91.10	82.00	84.30	89.10	84.60	66.90	70.40	73.20	71.90	64.00	62.60
1989	84.00	81.00	82.00	75.00	78.00	88.00	83.00	83.00	83.00	94.00	91.00	94.00
1990	108.00	112.00	121.00	124.00	147.00	146.00	130.00	132.00	117.00	124.00	110.00	95.00
1991	98.00	106.00	110.00	114.00	113.00	115.00	102.00	98.00	88.00	86.00	67.00	62.00
1992	66.00	78.00	86.00	90.00	105.00	109.00	103.00	101.00	102.00	110.00	102.00	98.00
1993	99.00	107.50	118.75	121.00	120.00	117.50	108.75	115.00	120.00	119.00	111.00	98.00
1994	106.97	119.37	124.28	126.73	115.93	109.35	97.18	97.70	84.77	72.38	58.57	55.70
1995	79.29	92.92	101.06	90.99	89.22	93.43	91.33	111.60	115.81	122.24	102.97	102.19
1996	101.74	108.02	113.98	119.71	135.46	154.15	161.15	169.02	158.35	162.02	160.38	164.77
1997	159.97	158.37	148.83	160.33	176.28	167.01	168.39	161.43	139.95	131.76	124.28	114.56
1998	92.01	94.80	91.30	91.70	104.77	107.81	97.86	81.49	64.43	70.11	46.28	33.17
1999	54.71	61.20	76.97	81.97	112.14	106.57	69.25	86.92	81.52	87.46	87.98	97.77
2000	109.39	123.61	128.34	145.98	153.93	139.45	135.29	138.75	129.80	126.10	110.93	123.13
2001	121.60	125.90	146.33	162.86	152.74	164.92	158.27	158.01	140.83	134.53	104.82	91.06
2002	105.07	113.60	115.95	96.01	84.89	76.76	72.68	71.45	44.72	69.94	70.06	76.49
2003	74.70	81.74	85.33	88.68	98.17	104.00	112.18	113.58	102.70	99.86	90.39	84.21

SOURCE: Agriculture and Agri-Food Canada; Manitoba Pork Marketing.

TABLE 131: Historical Livestock Slaughtered in Manitoba

Year	Total Cattle & Calves	Cattle	Calves	Hogs	Sheep	Lambs
1964	471,959	393,231	78,728	748,168	83,258	
1965	571,993	470,420	101,573	736,110	72,352	
1966	549,903	462,907	86,996	709,009	55,232	
1967	536,468	450,690	85,778	894,093	46,672	
1968	538,529	467,666	70,863	891,200	40,828	
1969	470,366	428,085	42,281	878,594	24,540	
1970	447,879	422,236	25,643	1,213,226	13,988	
1971	447,650	425,296	22,354	1,555,220	21,665	
1972	455,855	435,705	20,150	1,238,971	19,854	
1973	449,250	435,046	14,204	1,234,072	19,926	
1974	480,254	455,489	24,765	1,196,295	16,144	
1975	551,425	507,750	43,675	862,349	7,956	
1976	581,124	537,677	43,447	795,580	6,223	
1977	559,147	515,011	44,136	828,041	5,926	
1978	444,514	424,100	20,414	792,019	5,920	
1979	322,563	314,374	8,189	1,023,442	2,848	
1980	311,300	302,629	8,671	1,119,928	4,273	
1981	321,486	311,191	10,295	1,146,014	7,731	
1982	357,963	346,770	11,193	1,094,516	9,130	
1983	347,680	340,011	7,669	1,191,678	11,073	
1984	339,680	332,873	6,807	1,268,817	10,835	
1985	373,692	369,645	4,047	1,533,813	10,646	
1986	380,900	377,430	3,470	1,637,686	5,851	
1987	241,554	239,352	2,202	1,656,814	4,116	
1988	183,268	181,494	1,774	1,800,439	4,558	
1989	125,794	123,853	1,941	1,898,187	4,751	
1990	92,310	90,958	1,352	1,874,785	5,121	
1991	55,476	54,568	908	1,967,649	5,715	
1992	50,234	49,590	644	2,092,009	4,927	
1993	38,620	38,278	342	1,856,252	4,105	
1994	37,264	37,003	261	2,021,569	3,025	
1995	38,937	38,680	257	2,000,689	2,058	
1996	37,633	37,291	342	1,938,028	1,773	
1997	31,241	31,003	238	2,076,232	294	1,122
1998	20,384	20,085	299	2,820,840	286	1,266
1999	19,608	19,521	87	3,073,034	299	1,813
2000	17,316	17,250	66	3,923,880	171	2,016
2001	15,948	15,865	83	4,147,548	281	2,106
2002	16,367	16,328	39	4,421,297	344	2,373
2003	18,831	18,700	131	4,262,519	446	2,403

SOURCE: Agriculture and Agri-Food Canada, Manitoba Health, CFIA

TABLE 132: Historical Total Cattle and Calves Slaughtered in Manitoba, by Month

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1968.......	41,919	40,302	48,507	36,029	36,843	51,174	40,785	43,232	56,192	48,093	50,171	45,282
1969.......	37,947	37,515	45,260	32,725	34,949	44,824	34,323	34,444	45,198	38,596	39,356	45,229
1970.......	38,973	29,648	37,011	31,202	32,009	40,436	35,206	35,815	48,984	37,507	41,599	39,489
1971.......	37,133	30,740	39,881	30,569	34,310	41,987	36,137	35,304	45,032	37,049	41,266	38,242
1972.......	31,935	32,934	40,851	34,181	33,890	43,276	35,616	37,024	46,619	40,061	40,439	39,029
1973.......	37,050	36,716	45,606	29,762	32,651	41,002	32,273	34,318	37,466	38,402	42,377	41,627
1974.......	34,844	32,844	43,812	35,242	34,838	44,182	34,939	35,357	48,960	41,670	48,533	45,033
1975.......	38,056	41,206	49,436	41,245	36,947	46,887	36,990	41,248	62,322	49,425	52,712	54,951
1976.......	43,309	44,444	53,860	41,564	41,176	51,337	41,139	42,859	60,455	48,319	49,359	63,303
1977.......	50,489	50,412	58,814	41,661	44,332	53,584	42,455	34,663	46,861	39,052	45,041	51,783
1978.......	46,961	43,131	42,658	36,974	33,086	33,142	19,051	27,886	42,497	36,499	41,583	41,046
1979.......	31,706	24,111	25,885	22,684	21,455	29,858	23,586	23,056	35,564	26,861	29,670	28,127
1980.......	22,648	21,452	26,674	22,090	23,828	31,164	23,932	23,607	32,176	26,736	28,572	28,421
1981.......	25,607	24,670	30,005	23,545	24,203	32,613	22,967	23,785	30,022	26,170	28,173	29,726
1982.......	25,388	31,145	32,464	26,143	30,135	34,936	25,506	26,141	38,372	29,386	27,646	30,701
1983.......	27,824	25,332	28,069	24,878	26,059	34,373	28,869	27,863	35,888	30,403	28,890	29,232
1984.......	28,435	27,570	33,976	26,670	27,341	36,693	26,173	12,179	28,009	29,889	30,829	31,916
1985.......	29,473	30,095	35,939	24,153	27,637	37,143	29,984	28,848	36,993	28,257	29,425	35,745
1986.......	30,590	31,059	35,257	28,859	29,490	41,980	33,116	29,901	36,910	25,258	24,507	33,973
1987.......	27,659	26,825	30,755	17,981	17,788	20,407	16,536	15,963	17,612	16,221	16,702	17,105
1988.......	17,223	14,973	17,860	15,948	17,672	22,642	17,803	15,646	15,975	8,132	8,879	10,515
1989.......	10,001	9,869	10,499	9,735	11,917	15,503	10,953	8,727	11,246	8,859	9,448	9,037
1990.......	8,414	7,475	8,373	7,832	9,259	10,889	8,024	7,635	8,489	6,622	4,544	4,754
1991.......	3,676	3,344	4,429	4,144	5,076	6,527	4,616	4,145	5,421	4,555	4,619	4,924
1992.......	3,616	3,903	4,711	4,115	4,403	5,729	4,187	4,032	5,003	4,120	3,526	2,889
1993.......	2,830	2,697	3,694	3,016	3,528	4,174	3,074	2,705	3,212	2,730	3,582	3,378
1994.......	2,502	2,698	3,640	2,997	3,276	4,085	3,028	2,622	3,165	2,809	3,016	3,426
1995.......	2,465	2,512	3,229	2,859	3,705	4,467	3,304	2,775	3,701	3,184	3,298	3,438
1996.......	2,504	2,668	4,016	3,094	3,688	4,677	3,671	2,461	2,419	3,275	2,801	2,359
1997.......	2,959	2,506	2,492	2,908	2,834	3,144	2,818	2,337	2,325	2,672	2,501	1,745
1998.......	1,786	1,632	1,762	2,342	1,509	1,841	1,893	1,061	1,645	1,652	1,722	1,539
1999.......	1,410	1,498	1,918	1,684	1,758	2,180	1,594	1,251	1,595	1,489	1,587	1,644
2000.......	1,260	1,214	1,607	1,585	1,784	1,800	1,448	1,451	1,186	1,534	1,461	986
2001.......	1,304	991	1,312	1,298	1,798	1,474	1,347	1,333	1,040	1,600	1,452	999
2002.......	1,283	1,179	1,308	1,378	1,548	1,747	1,419	1,389	1,017	1,374	1,663	1,062
2003.......	1,083	1,307	1,505	1,318	1,660	1,427	1,781	2,526	1,445	1,526	2,023	1,230

SOURCE: Agriculture and Agri-Food Canada, Manitoba Health, CFIA

TABLE 133: Historical Hogs Slaughtered in Manitoba, by Month

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1968	80,241	76,484	92,586	73,001	71,321	86,532	60,323	59,922	74,263	65,645	67,653	83,229
1969	64,343	67,878	87,680	71,407	66,996	81,557	59,549	59,929	77,760	68,039	74,129	99,327
1970	85,063	78,828	102,150	91,332	96,669	107,318	89,577	85,606	115,649	104,055	122,769	134,210
1971	132,628	131,540	156,740	137,583	129,798	162,537	120,990	106,744	124,511	107,528	112,754	131,867
1972	104,115	99,229	124,507	108,843	96,582	123,591	90,025	90,548	106,773	86,907	98,105	109,746
1973	102,805	96,863	125,958	100,524	100,647	126,823	98,015	83,111	102,956	92,436	97,175	106,759
1974	101,671	109,664	133,188	97,018	81,165	110,842	91,724	93,221	103,884	80,900	91,006	102,012
1975	84,179	78,195	93,197	82,352	71,851	84,848	60,658	54,208	68,179	58,032	59,349	67,301
1976	61,651	58,117	73,981	61,772	58,621	74,996	56,176	56,112	72,489	63,075	67,652	90,938
1977	67,485	64,744	78,185	66,450	64,664	78,685	61,088	60,770	78,606	63,188	66,856	77,320
1978	65,833	70,525	81,598	67,475	65,332	77,545	48,390	58,542	38,067	67,805	69,288	81,619
1979	77,541	73,363	95,669	80,157	79,798	97,451	75,434	76,193	99,916	83,268	88,397	96,255
1980	82,984	90,384	109,770	90,045	86,667	114,891	82,784	83,143	104,939	83,400	86,850	104,071
1981	86,494	92,250	115,743	91,449	89,064	112,806	83,699	83,040	106,721	84,939	91,191	108,618
1982	88,744	88,589	113,434	89,475	90,470	106,623	85,483	83,844	100,342	79,101	73,063	95,348
1983	77,642	82,605	103,522	89,303	88,226	117,044	96,066	91,433	118,660	98,626	107,712	120,839
1984	102,764	105,507	137,123	110,823	103,499	110,268	77,059	50,735	104,158	114,152	120,812	131,917
1985	109,210	109,859	145,538	116,298	115,810	159,935	116,803	115,664	152,351	125,266	125,254	141,825
1986	122,941	124,508	150,023	124,771	119,749	173,270	114,571	119,190	150,355	123,519	131,414	183,375
1987	137,729	132,097	171,481	127,309	129,466	145,693	121,335	115,594	154,192	129,660	139,813	152,445
1988	141,592	135,250	161,218	145,022	133,272	162,145	136,949	139,731	176,911	144,864	143,831	179,654
1989	158,058	155,548	186,405	157,154	140,325	172,242	137,725	131,594	191,150	148,297	154,567	165,122
1990	142,003	147,001	183,388	140,416	134,922	182,015	138,714	145,091	188,530	151,198	153,927	167,580
1991	149,198	155,118	182,705	143,760	138,754	185,771	145,460	149,528	196,771	159,991	167,583	193,010
1992	159,719	157,584	200,921	160,372	155,270	198,437	154,278	157,977	202,937	156,071	167,519	220,924
1993	168,583	161,722	196,424	130,909	125,415	166,661	141,689	133,217	174,761	138,486	142,516	175,869
1994	168,077	164,164	190,081	153,690	138,778	185,199	152,033	146,118	195,362	164,266	171,217	192,584
1995	167,417	164,973	209,144	160,982	157,614	195,172	149,485	148,705	174,778	138,018	153,366	181,035
1996	149,901	168,567	215,853	162,127	153,151	183,685	135,227	135,581	178,188	145,328	143,020	167,400
1997	140,810	128,702	181,009	152,939	146,604	201,028	145,219	157,254	219,867	169,590	180,950	252,260
1998	267,761	212,324	220,286	271,580	210,526	207,858	247,406	205,644	221,948	276,476	225,570	253,461
1999	235,902	228,210	269,227	224,192	214,483	274,197	234,335	229,283	309,679	278,840	267,394	307,292
2000	285,512	294,967	397,480	288,147	287,987	362,550	308,123	270,773	370,965	328,642	343,603	385,131
2001	329,290	320,467	402,422	319,672	306,383	398,096	305,305	313,702	400,700	338,423	328,525	384,563
2003	362,609	378,554	464,904	361,038	352,169	412,470	285,671	289,622	372,916	247,278	343,921	391,367

SOURCE: Agriculture and Agri-Food Canada.

TABLE 134: Historical Numbers of Livestock on Farms - July 1

Year	Beef Cows	Milk Cows	Total Cattle & Calves	Hogs	Sheep	Hens & Chickens*	Turkeys
	thousand animals or birds						
1960		198	931	371	76	6,400	880
1961	236	196	996	432	81	6,267	1,145
1962	255	185	982	334	76	5,465	970
1963	285	175	1,066	391	73	5,700	970
1964	331	172	1,152	460	72	6,270	885
1965	360	163	1,184	421	61	5,820	1,000
1966	348	150	1,151	499	51	5,844	1,091
1967	342	137	1,099	589	45	6,330	925
1968	328	129	1,029	547	38	6,380	870
1969	317	121	1,006	615	37	7,340	825
1970	344	116	1,104	907	40	8,540	900
1971	384	110	1,138	943	42	7,613	1,033
1972	406	105	1,210	893	36	7,530	1,000
1973	447	101	1,247	956	33	4,310	NA
1974	500	99	1,386	826	26	4,095	NA
1975	516	96	1,458	582	23	3,787	NA
1976	464	94	1,375	632	20	3,470	NA
1977	458	93	1,360	677	23	NA	NA
1978	420	90	1,280	713	26	NA	NA
1979	395	82	1,235	827	25	NA	NA
1980	400	82	1,210	876	31	NA	NA
1981	389	83	1,162	865	36	6,155	697
1982	395	81	1,151	873	34	NA	NA
1983	394	77	1,129	914	35	NA	NA
1984	394	75	1,131	1,044	31	NA	NA
1985	390	70	1,114	1,086	27	NA	NA
1986	375	65	1,091	1,089	23	6,298	730
1987	381	65	1,060	1,160	26	7,005	854
1988	384	63	1,075	1,338	27	6,757	857
1989	397	63	1,077	1,305	31	6,537	823
1990	404	61	1,055	1,196	34	6,577	895
1991	411	56	1,095	1,310	35	6,445	809
1992	436	55	1,167	1,373	35	6,127	760
1993	439	54	1,169	1,386	34	6,226	701
1994	476	54	1,236	1,466	33	6,261	755
1995	500	53	1,342	1,667	35	6,064	767
1996	540	51	1,424	1,814	38	6,490	760
1997	566	51	1,449	1,810	42	6,202	663
1998	560	51	1,447	1,999	50	6,622	694
1999	554	46	1,400	2,044	60	7,012	753
2000	554	41	1,400	2,296	69	7,500	779
2001	566	42	1,425	2,556	84	7,065	694
2002	574	41	1,470	2,785	78	6,925	708
2003	622	42	1,590	2,850	82	7,300	700

* Hens and pullets only in 1973 - 1976.

SOURCE: Statistics Canada.

OTHER FARM PRODUCTS

TABLE 135: Historical Production Value Summary of Other Farm Products

Year	Pregnant Mare's Urine*	Honey	Leafcutting Bees	Wax	Fur*[1]	Forest**	TOTAL
	thousand dollars						
1960					3,078	307	4,258
1961		867		38	2,798	267	3,970
1962		657		29	3,097	226	4,009
1963		984		43	3,115	186	4,328
1964		911		34	3,111	145	4,201
1965		938		41	4,363	105	5,447
1966		1,232		54	3,379	117	4,782
1967	1,072	1,415		66	3,102	164	5,819
1968	1,290	602		42	2,827	200	4,961
1969	910	1,164		87	2,322	232	4,715
1970	875	1,215		95	1,348	250	3,783
1971	625	1,449		82	1,088	279	3,523
1972	660	2,843		99	1,081	352	5,035
1973	1,069	4,320		109	1,200	400	7,098
1974	2,000	3,518		147	976	378	7,019
1975	3,200	2,944		112	989	362	7,607
1976	3,700	4,349		208	1,320	482	10,059
1977	3,200	4,910		306	6,902	262	15,580
1978	2,600	7,565		465	6,716	258	17,604
1979	3,000	8,747		527	10,497	298	23,069
1980	2,300	8,747		532	12,183	1,080	24,842
1981	2,860	10,178		571	10,398	1,082	25,089
1982	4,930	10,475		488	7,947	1,090	24,930
1983	5,460	9,496	819	402	6,299	1,179	23,655
1984	8,617	9,280	800	473	5,593	1,188	25,951
1985	10,521	10,560	700	490	6,938	1,334	30,543
1986	12,920	8,800	1,480	330	6,841	1,274	31,645
1987	12,260	6,976	2,600	327	10,605	1,131	33,899
1988	12,053	6,512	1,595	330	7,291	974	28,755
1989	16,024	5,481	2,035	228	3,746	776	28,290
1990	17,002	6,619	3,360	226	2,386	637	30,230
1991	21,155	8,086	2,100	271	2,230	748	34,590
1992	28,168	7,226	3,938	234	2,628	860	43,054
1993	42,536	6,656	4,706	232	2,263	971	57,364
1994	44,013	8,286	2,750	371	3,987	1,083	60,490
1995	44,828	12,690	3,250	687	3,866	1,194	66,515
1996	44,104	13,125	5,250	512	5,210	1,259	69,460
1997	43,674	13,750	3,500	469	5,359	1,371	68,123
1998	35,061	17,204	5,440	638	5,081	1,313	64,737
1999	40,120	12,420	8,370	559	3,214	1,413	66,096
2000	41,379	9,975	5,517	351	3,180	1,281	61,683
2001	46,445	16,740	1,530	469	4,395	1,302	70,849
2002	52,061	28,710	4,016	399	4,076	1,892	91,154
2003	61,294	28,101	4,644	371	4,153	1,834	100,397
2004	59,849						

* Season ending in year specified.

** Includes Christmas trees from 1997.

[1] Includes wildlife pelts commencing in 1977.

SOURCE: Statistics Canada; Ayerst Organics; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 136: Historical Production and Value of PMU

Year	Number of Farms (Census)	Total Number of Horses (Census)	Number of PMU Farms*	Total Number of PMU Mares*	PMU Mares in Production*	Estimated Foals Produced	TOTAL GROSS VALUE OF PMU* ($000)
1967	14,149	37,015	109	3,600			1,072
1968			109	3,100			1,290
1969			109	3,030			910
1970			108	2,900			875
1971	11,040	33,104	95	2,100			625
1972			95	2,400			660
1973			95	3,600			1,069
1974			132	6,200			2,000
1975			152	7,700			3,200
1976	N.A.	N.A.	171	8,800			3,700
1977			167	7,500			3,200
1978			144	5,900			2,600
1979			128	5,800			3,000
1980			115	4,700			2,300
1981	5,593	31,284	109	4,650			2,860
1982			114	6100			4,930
1983			114	6,500			5,460
1984			130	8,500			8,617
1985			135	9,100			10,521
1986	5,540	40,691	182	12,500			12,920
1987			182	11,240			12,260
1988			180	11,200			12,053
1989			178	11,903			16,024
1990			178	13,202			17,002
1991	4,203	44,130	178	13,715			21,155
1992			201	18,524			28,168
1993			282	26,693			42,536
1994			282	27,501		27,000	44,013
1995			282	27,738		26,000	44,828
1996	4,155	68,783	282	26,129		23,000	44,104
1997			283	23,016	22,254	20,000	43,674
1998			265	26,766	18,014	17,000	35,061
1999			259	24,985	20,364	20,000	40,120
2000			254	26,898	17,827	17,000	41,379
2001[R]	3,730	62,791	252	27,000	18,267	18,000	46,445
2002			248	30,000	21,100	21,000	52,061
2003			248	33,000	25,700	25,000	61,294
2004			244	NA	21,650	21,000	59,849

* Season ending in year specified.

SOURCE: Ayerst Organics; Manitoba Agriculture, Food and Rural Initiatives; Statistics Canada, Census of Agriculture.

TABLE 137: Historical Production and Value of Fur

Year	Fox			Mink			Wildlife*		TOTAL FURS	
	Number of Farms	Number of Pelts	Total Value $000	Number of Farms	Number of Pelts	Total Value $000	Number of Pelts	Total Value $000	Total Number of Pelts	Total Value $000
1960				279	204,527	3,724				
1961				250	205,840	3,420				
1962				255	209,416	3,420				
1963				208	209,818	3,190				
1964				195	207,357	3,348				
1965				187	205,265	3,362				
1966				182	233,187	4,770				
1967				169	248,799	3,600				
1968				170	260,848	3,585				
1969				143	220,496	3,168				
1970				104	141,500	1,486				
1971				79	70,611	847				
1972		151	6.5	71	65,000	916				
1973				63	68,926	1,137				
1974				43	48,941	710				
1975				54	72,939	976				
1976				48	54,569	1,320	586,911	5,582		
1977					57,405	1,600	363,949	5,116		
1978					61,463	2,614	343,892	7,882		
1979					59,944	2,568	605,052	9,616		
1980					59,001	2,157	636,316	8,241		
1981					61,011	2,119	304,518	5,564		
1982					62,170	1,839	291,020	4,314		
1983					53,478	1,609	332,700	3,784		
1984		1,200	173	28	59,465	1,980	298,537	4,785	359,202	6,938
1985	16	1,522	164	27	60,082	1,616	230,051	5,061	291,655	6,867
1986	18	926	166	28	55,072	2,380	353,791	8,070	409,789	10,616
1987	18	820	93	23	48,375	1,810	391,744	5,394	440,939	7,297
1988	14	775	47	25	56,955	1,439	107,920	2,260	165,650	3,746
1989	13	997	38	19	44,435	784	68,061	1,564	113,493	2,386
1990	9	1,102	37	16	42,417	1,068	50,780	1,125	94,299	2,230
1991	10	752	35	15	38,840	912	70,801	1,682	110,393	2,628
1992	10	1,062	41	12	37,089	660	81,102	1,519	119,253	2,263
1993	6	410	34	12	34,700	1,258	124,250	2,695	159,360	3,987
1994	5	460	34	11	38,400	1,293	145,920	2,539	184,780	3,866
1995	5	480	42	11	38,900	2,529	129,826	2,639	169,206	5,210
1996	8	550	41	10	36,600	1,603	201,277	3,716	238,427	5,359
1997	7	420	34	11	41,600	1,740	208,766	3,307	250,786	5,081
1998	6	320	16	11	37,800	1,161	100,820	2,037	138,940	3,214
1999	5	320	16	9	28,200	1,197	97,022	1,967	125,542	3,180
2000	6	180	9	10	35,500	1,616	102,003	2,770	137,683	4,395
2001	6	150	7	12	35,500	1,629	110,470	2,440	146,120	4,076
2002^p	7	60	3	11	28,600	1,148	86,839	2,998	115,499	4,153
2003	6	120	16	12	41,900	2,101	NA	NA	NA	NA

* Season beginning in year specified.

SOURCE: Statistics Canada.

TABLE 138: Historical Production and Value of Honey & Beeswax

Year	Number of Bee-keepers	Number of Colonies	Honey				Beeswax		
			Average Yield/ Colony	Total Production	Average Price	Total Value	Total Production	Average Price	Total Value
	#	#	kg	tonnes	$/kg	$000	tonnes	$/kg	$000
1960	920	41,700	69	2,894	0.29	829	43.5	0.84	40.5
1961	720	40,560	74	3,025	0.29	867	45.4	0.84	38.0
1962	730	38,560	59	2,291	0.30	657	34.5	0.84	28.8
1963	700	43,000	77	3,311	0.30	984	51.2	0.84	43.0
1964	810	46,000	58	2,667	0.34	911	40.0	0.84	34.0
1965	840	47,000	60	2,835	0.35	1,000	42.1	0.97	41.0
1966	860	53,000	70	3,725	0.33	1,232	55.9	0.97	54.2
1967	860	55,000	78	4,280	0.33	1,415	63.9	0.99	66.5
1968	820	52,000	40	2,099	0.29	602	31.5	1.32	41.7
1969	820	50,000	81	4,060	0.29	1,164	60.9	1.43	87.3
1970	852	50,276	84	4,241	0.29	1,215	63.6	1.50	95.4
1971	826	50,000	73	3,651	0.40	1,449	54.8	1.50	82.1
1972	810	51,500	84	4,298	0.66	2,843	64.5	1.54	99.5
1973	659	54,000	73	3,919	1.01	3,974	58.8	1.85	108.9
1974	810	60,000	65	3,982	0.90	3,518	58.4	2.52	147.0
1975	950	76,000	48	3,654	0.81	2,944	54.8	2.05	112.4
1976	1,100	80,000	69	5,480	0.79	4,349	82.4	2.53	208.4
1977	1,050	81,000	64	5,181	0.95	4,910	77.9	3.93	306.0
1978	1,200	85,000	81	6,863	1.10	7,565	102.9	4.52	465.2
1979	1,300	93,000	76	7,087	1.23	8,749	106.3	4.95	527.3
1980	1,400	99,000	70	6,960	1.25	8,747	104.6	5.08	531.7
1981	1,550	103,000	73	7,569	1.34	10,178	113.6	5.02	570.7
1982	1,600	108,000	72	7,789	1.34	10,475	116.8	4.16	488.0
1983	1,700	111,000	66	7,301	1.30	9,496	109.5	3.67	402.0
1984	1,750	116,000	68	7,888	1.10	8,700	118.3	3.74	443.7
1985	1,350	120,000	73	8,727	1.21	10,560	130.9	3.74	489.6
1986	1,300	110,000	73	7,983	1.10	8,800	119.7	2.75	330.0
1987	1,300	109,000	73	7,957	0.88	6,976	119.4	2.75	327.0
1988	1,200	88,000	84	7,392	0.88	6,512	110.8	2.97	329.7
1989	1,100	87,000	64	5,568	0.99	5,481	83.5	2.75	228.4
1990	1,050	83,000	66	5,478	1.21	6,619	82.2	2.75	225.7
1991	1,000	76,000	86	6,550	1.23	8,086	98.3	2.75	270.8
1992	800	75,500	75	5,651	1.28	7,226	84.9	2.75	233.6
1993	800	85,000	61	5,205	1.28	6,656	78.1	2.97	232.4
1994	800	81,000	75	6,075	1.37	8,286	90.9	4.07	370.9
1995	800	83,000	77	6,400	1.98	12,690	96.0	7.15	687.4
1996	800	75,000	64	4,763	2.75	13,125	71.5	7.15	511.9
1997	800	83,000	68	5,700	2.42	13,750	85.2	5.50	468.8
1998	855	88,000	104	9,181	1.87	17,204	137.7	4.62	637.6
1999	855	92,000	82	7,511	1.65	12,420	112.7	4.96	558.9
2000	860	95,000	64	6,033	1.65	9,975	88.5	3.97	351.0
2001	800	92,000	77	7,094	2.36	16,740	106.4	4.41	469.0
2002	800	87,000	75	6,511	4.41	28,710	97.7	4.08	398.5
2003	550	80,000	82	6,618	4.25	28,101	99.3	3.74	371.3

SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

PROCESSING

TABLE 139: Historical Value of Shipments for Food and Beverage Processing Industries (Total Activity)

	1996	1997	1998	1999	2000^{R}	2001^{R}	2002^{P}	2003^{P}
	- million dollars -							
Food Industries	**2,151.0**	**2,349.5**	**2,369.5**	**2,387.8**	**2,659.0**	**2,686.5**	**2,800.0**	NOT AVAILABLE
Meat & Meat Products (excluding poultry)	423.6	520.1	579.7	602.6	1,043.6	983.8		
Poultry Products	121.3	121.4	121.4	139.3	NA	NA		
Fish Products	NA	NA	NA	NA	NA	NA		
Fruit & Vegetables	NA	NA	NA	NA	NA	NA		
Dairy Products	NA	360.9	NA	NA	NA	NA		
Fluid Milk	NA	165.1	175.6	NA	173.0	153.9		
Butter, Cheese, Dry Milk	200.3	NA	NA	NA	NA	NA		
Ice Cream, Frozen Dessert	NA	NA	25.9	26.3	23.0	24.3		
Grain & Oilseed Milling (excluding corn oil)	NA	NA	NA	366.0	263.8	319.1		
Flour, Cereal Food and Feed	368.2	NA	NA	NA	NA	NA		
Animal Food	NA	357.6	258.4	312.6	381.4	360.5		
Bakery Products	NA	NA	NA	NA	NA	NA		
Bread and Other Bakery Products	88.4	82.2	NA	79.2	NA	NA		
Dry Pasta	NA	0.5	0.5	NA	NA	3.4		
Sugar Confectionery	NA	NA	NA	NA	4.5	6.9		
Other Food Products	NA	NA	NA	NA	NA	NA		
Beverage Industries	**173.8**	**208.0**	**227.0**	**204.0**	**215.1**	**225.0**	**220.0**	**NA**
TOTAL FOOD & BEVERAGE INDUSTRIES	**2,324.8**	**2,557.5**	**2,596.5**	**2,591.8**	**2,874.1**	**2,911.5**	**3,020.0**	**NA**
% of Total Manufacturing Industries	**23.7**	**24.1**	**22.8**	**22.5**	**23.4**	**23.9**	**24.0**	**NA**

SOURCE: Manufacturing, Constructional and Energy Division, Statistics Canada

TABLE 140: Historical Value Added for Food and Beverage Processing Industries (Total Activity)

	1996	1997	1998	1999	2000^{R}	2001^{R}	2002^{P}	2003^{P}
	- million dollars -							
Food Industries	**532.0**	**677.4**	**687.6**	**583.8**	854.3	713.6		NOT AVAILABLE
Meat & Meat Products (excluding poultry)	121.1	156.6	208.0	133.2	358.4	243.4		
Poultry Products	35.0	22.4	32.1	47.5	NA	NA		
Fish Products	NA	NA	NA	NA	NA	NA		
Fruit & Vegetables	NA	NA	NA	NA	NA	NA		
Dairy Products	NA	75.9	NA	NA	NA	NA		
Fluid Milk	NA	40.0	48.5	NA	48.7	33.1		
Butter, Cheese, Dry Milk	33.8	NA	NA	NA	NA	NA		
Ice Cream, Frozen Dessert	NA	NA	6.4	9.4	6.3	1.8		
Grain & Oilseed Milling (excluding corn oil)	NA	NA	NA	43.2	17.4	66.8		
Flour, Cereal Food and Feed	85.0	NA	NA	NA	NA	NA		
Animal Food	NA	70.9	NA	60.3	96.7	73.4		
Bakery Products	NA	NA	NA	NA	NA	NA		
Bread and Other Bakery Products	52.8	48.8	NA	47.5	NA	NA		
Dry Pasta	NA	0.1	0.2	NA	NA	0.6		
Sugar Confectionery	NA	NA	NA	NA	2.7	3.6		
Other Food Products	NA	NA	NA	NA	NA	NA		
Beverage Industries	**45.8**	**72.8**	**80.0**	**NA**	**NA**	**78.2**	**NA**	
TOTAL FOOD & BEVERAGE INDUSTRIES	**577.8**	**750.2**	**767.6**	**NA**	**NA**	**791.8**	**NA**	**NA**
% of Total Manufacturing Industries	**14.4**	**16.0**	**NA**	**NA**	**NA**	**15.3**	**NA**	**NA**

SOURCE: Manufacturing, Constructional and Energy Division, Statistics Canada

TABLE 141: Historical Agri-Food Exports by Commodity Group

Commodity Groups	1996	1997	1998	1999	2000	2001^{R}	2002^{R}	2003^{P}
	thousand dollars							
Live Animals	356,466	405,084	414,281	362,551	413,068	528,342	542,338	398,187
Meat and Edible Meat Offal	82,969	156,650	192,526	228,604	386,872	509,341	483,309	426,307
Dairy Products, Eggs & Honey	14,715	16,440	19,410	23,623	25,407	28,850	50,528	42,215
Other Animal Products	2,801	2,180	2,838	5,231	5,806	7,641	7,171	5,254
Live Tree, Plant, Flowers, etc.	346	407	709	1,059	954	1,212	994	900
Edible Veg., Roots & Tubers	94,278	115,631	100,167	124,524	125,722	166,422	152,486	164,281
Fruit & Nuts	16	2	3	0	58	56	235	70
Coffee, Tea & Spices	12,057	7,650	7,323	5,756	3,293	2,188	1,421	1,953
Grains, Unprocessed	845,125	991,933	575,751	574,838	646,640	870,117	718,657	650,369
Grains, Semi-processed	44,553	48,702	47,106	55,583	55,125	74,744	81,828	70,072
Oilseeds	422,278	500,069	673,677	509,392	391,421	450,872	409,897	517,316
Lac, Gums, Resins & Other Vegetable Saps & Extracts	16	6	22	6	12	188	123	81
Vegetable Products n.e.s.	0	0	0	0	60	78	11	0
Animal/vegetable Fats & Oils	227,303	209,980	497,312	247,260	120,687	116,206	148,204	181,421
Preparations of Meat (excludes fish)	967	4,011	10,687	17,792	16,704	12,991	9,249	13,568
Sugars and Sugar Confectionery	6,291	1,350	799	647	1,123	1,422	1,136	1,420
Cocoa and Cocoa Preparations	564	570	293	171	687	727	323	186
Preparations of Grains	5,223	7,093	10,495	9,889	6,772	11,007	11,098	10,468
Preparations of Veg., Fruit & Nut	35,862	87,479	140,540	143,623	127,755	142,375	161,876	206,216
Miscellaneous Edible Preparations	948	881	1,011	1,954	1,286	1,029	2,444	2,036
Beverages, Spirits & Vinegar	1,081	73	2,071	4,271	4,624	3,964	1,413	2,120
Food Residues, Waste, Fodder	77,086	89,550	73,489	55,400	38,588	36,931	53,658	49,690
Tobacco & Substitutes	0	0	27	0	12	0	0	0
Essential Oils	0	0	0	0	0	12	0	87
Caseins & Albumins	6,370	6,932	8,828	11,107	9,267	9,758	7,775	15,402
Natural Rubbers (excludes synthetics)	0	0	0	0	0	0	0	2
Raw Hides, Skins & Leather	546	529	578	610	801	392	404	596
Furskins	327	960	767	2,430	1,656	571	318	396
Wool, Fine/coarse Animal Hair	0	4	0	0	0	0	0	0
Other Vegetable Textile Fibres	27,403	26,171	30,687	27,295	23,311	21,139	11,064	12,979
TOTAL EXPORTS*	**2,265,594**	**2,680,336**	**2,811,396**	**2,413,617**	**2,407,713**	**2,998,570**	**2,857,958**	**2,773,590**

* Totals may not add due to rounding.

SOURCE: Statistics Canada, TIERS, Agriculture & Agri-Food Canada.

TABLE 142: Historical Agri-Food Imports by Commodity Group

Commodity Groups	1996	1997	1998	1999	2000	2001^{R}	2002^{P}	2003^{P}
	thousand dollars							
Live Animals	4,436	4,876	5,012	5,231	7,272	7,407	5,206	5,343
Meat and Edible Meat Offal	15,620	17,765	23,092	23,982	34,811	36,596	44,331	38,079
Dairy Products, Eggs & Honey	17,546	15,243	17,552	15,332	13,454	21,149	18,025	15,515
Other Animal Products	6,675	7,120	5,732	7,268	7,638	9,111	11,219	12,418
Live Tree, Plant, Flowers, etc.	10,864	11,985	14,437	14,687	15,614	19,341	22,944	26,621
Edible Veg., Roots & Tubers	31,110	32,259	41,839	56,484	49,920	50,433	61,396	45,085
Fruit & Nuts	44,033	41,228	44,953	51,815	47,647	51,001	50,105	47,194
Coffee, Tea and Spices	5,483	9,541	8,933	3,114	2,274	5,756	4,963	3,941
Grains, Unprocessed	27,141	22,978	29,806	39,535	33,229	41,702	140,572	108,359
Grains, Semi-processed	5,368	2,432	1,722	1,554	2,274	2,884	2,379	2,442
Oilseeds	31,909	52,685	58,545	74,277	62,508	81,407	113,155	99,043
Lac; Gums, Resins & Other Vegetable Saps & Extracts	505	783	888	1,601	2,016	2,498	1,786	2,156
Vegetable Products n.e.s	383	446	511	652	597	601	575	511
Animal/vegetable Fats & Oils	9,561	13,066	19,483	19,475	16,052	21,238	21,077	28,580
Preparations of Meat (excludes fish)	32,041	29,623	31,028	29,548	20,748	29,693	31,453	28,461
Sugars and Sugar Confectionery	10,613	23,313	28,824	25,885	29,376	30,580	29,676	37,524
Cocoa and Cocoa Preparations	6,193	7,960	7,741	7,754	8,147	9,217	9,966	11,447
Preparations of Grains	29,356	42,249	60,599	67,149	68,612	64,188	77,624	66,208
Preparations of Vegetables, Fruit & Nuts	22,129	26,644	33,176	25,834	21,268	23,190	24,192	17,507
Miscellaneous Edible Preparations	32,125	34,198	42,448	40,843	46,825	40,602	45,014	43,219
Beverages, Spirits & Vinegar	21,476	28,610	29,575	37,147	38,550	36,983	40,142	42,237
Food Residues, Waste, Fodder	88,458	81,357	85,500	87,530	104,248	118,323	136,841	144,936
Tobacco and Substitutes	11,367	4,564	603	1,112	169	197	364	133
Essential Oils	1,890	2,406	2,131	3,050	7,524	7,563	20,793	28,628
Caseins & Albumins	3,185	3,253	2,726	3,130	3,343	4,610	5,736	10,518
Natural Rubber (excludes synthetic)	8	13	83	35	32	35	14	47
Raw Hides & Skins (excludes mfg. leather)	22,239	26,426	16,733	17,060	19,661	9,449	12,111	3,758
Furskins (excludes finished furs)	12,471	13,983	25,859	12,163	5,480	7,804	8,764	11,839
Wool, Fine/coarse Animal Hair, raw	26	89	12	17	39	5	13	48
Cotton, raw (excludes textiles)	58	85	29	102	176	309	1	11
Other Vegetable Fibres	57	93	115	170	302	763	915	1,054
TOTAL IMPORTS*	**504,328**	**557,274**	**639,687**	**673,538**	**669,806**	**734,635**	**941,350**	**882,862**

* Totals may not add due to rounding. Totals include Canadian re-imports.

SOURCE: Statistics Canada, TIERS, Agriculture & Agri-Food Canada.

TABLE 143: Historical Agri-Food Exports by Country

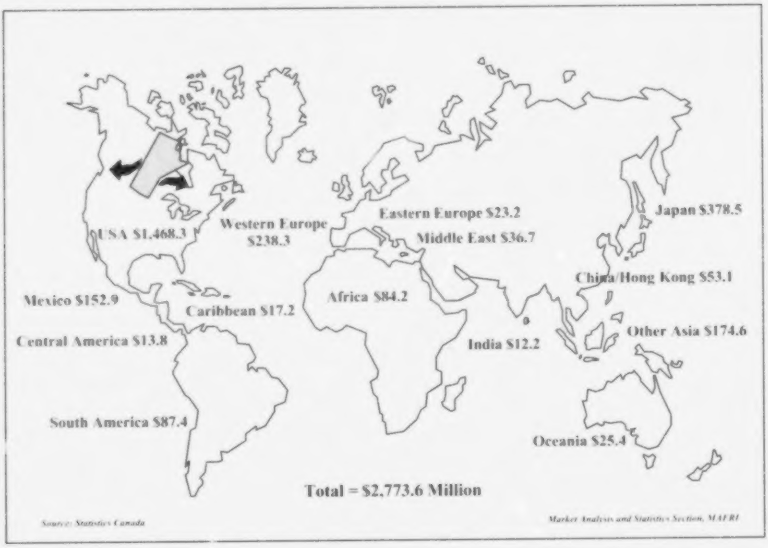
Countries	1997	1998	1999	2000	2001^R	2002^R	2003^P
	thousand dollars						
Afghanistan	887	0	0	0	39	0	73
Albania	0	99	0	0	153	0	35
Algeria	35,766	13,593	14,858	7,879	6,210	20,485	14,352
Angola	226	95	558	1,968	336	1,212	9,443
Antigua-Barbuda	0	71	0	0			
Argentina	1,345	1,234	1,332	2,101	1,309	1,640	1,842
Armenia	16	112	34	0	0	22	0
Australia	4,472	3,422	4,156	7,327	16,650	23,287	20,237
Austria	281	213	75	66	182	129	526
Azerbaijan	0	0	0	0	0	11	0
Bahamas	0	0	0	47	51	0	6
Bahrain	15	0	569	0	32	0	85
Bangladesh	8,011	4,557	7,275	3,700	11,248	7,550	14,972
Barbados	172	22	57	619	107	136	520
Belarus	0	0	0	0	0	25	0
Belgium	85,918	64,421	45,551	44,234	64,368	84,340	76,694
Belize	0	0	0	0	0	6	0
Benin	0	0	0	0	0	16	0
Bermuda	24	50	0	8	7	16	20
Bolivia	2,305	476	436	1,763	630	183	0
Bosnia'herzegovia	646	0	0	0			
Botswana	0	0	0	278	255	0	0
Brazil	34,324	16,777	9,696	7,869	4,930	9,776	14,008
Bulgaria	12	40	10	47	984	392	678
Burkina Faso	0	5	0	0			
Burundi	0	42	0	0			
Cameroon	0	1,676	1,609	2,570	5,796	2,823	3,312
Cape Verde	11	13	0	0	0	0	24
Cayman Islands	0	0	0	0	0	40	0
Chile	10,446	4,038	6,278	7,400	4,690	2,884	4,643
China	110,995	190,081	149,699	92,301	142,136	29,111	50,773
Colombia	29,309	24,793	20,119	20,066	32,438	34,495	19,107
Congo	0	0	0	0	51	0	26
Congo Dem. Rep.	0	0	190	269	126	290	22
Costa Rica	1,816	376	1,864	3,121	794	447	538
Côte-d'Ivoire	0	892	226	1,199	746	1,845	443
Croatia	0	22	26	34	83	7	39
Cuba	13,428	10,549	20,279	6,488	14,457	8,505	804
Cyprus	0	1,083	593	561	934	914	104
Czech Republic	122	42	174	155	202	324	491
Denmark	200	494	392	435	468	1,333	370
Djibouti	320	0	421	0	0	21	0
Dominica	0	0	0	0	0	0	21
Dominican Republic	1,386	595	940	1,646	1,364	1,348	7,443
Ecuador	3,896	10,602	7,442	9,527	14,373	12,343	15,961
Egypt	3,087	3,608	5,110	5,071	17,318	5,378	9,749
El Salvador	770	823	72	104	561	293	60
Eritrea	0	0	0	925	35	0	362
Estonia	38	19	0	0	160	116	183
Ethiopia	1,506	422	1,661	919	772	95	3,547
Fiji	797	0	205	0			
Finland	237	384	541	208	137	975	181
Former Yugoslavia	168	0	15	0	0	0	14
Fr. Polynesia	0	0	0	0	0	0	1
France	912	1,413	2,311	2,905	3,664	2,767	3,444
Gambia	0	0	0	0	0	21	39

Countries	1997	1998	1999	2000	2001[R]	2002[R]	2003[P]
	thousand dollars						
Georgia	7	1	27	286	376	249	21
Germany	19,764	18,464	13,714	10,352	7,326	7,605	10,208
Ghana	6,206	4,767	2,352	5,601	8,331	11,514	6,825
Greece	2,119	3,482	3,747	4,219	5,940	3,764	14,983
Grenada	26	231	0	0	0	0	2
Guadeloupe	11	0	0	0			
Guatemala	7,475	12,967	14,772	10,685	16,652	11,021	10,470
Guinea	234	153	395	77	96	312	0
Guyana	232	333	499	272	678	513	242
Haiti	281	216	2,937	638	726	839	1,085
Honduras	0	46	264	210	142	285	70
Hong Kong	4,156	203,466	26,878	16,439	11,911	982	2,320
Hungary	0	262	0	79	237	31	87
Iceland	0	0	0	91	106	54	45
India	20,939	12,954	43,256	2,636	33,111	11,875	12,173
Indonesia	65,967	36,852	21,255	26,693	30,472	34,993	18,398
Iran, Islamic Republic	114,841	24,774	57,295	94,508	89,160	14,171	17,209
Iraq	0	0	6,700	11,918	0	0	988
Ireland	2,491	1,442	1,725	5,534	2,298	1,242	3,156
Israel	290	1,412	866	1,847	862	1,211	1,817
Italy	24,511	21,215	14,175	14,905	15,089	25,403	38,773
Jamaica	243	438	467	893	9,784	12,003	4,453
Japan	402,440	378,034	356,502	334,148	427,403	454,942	378,458
Jordan	13	0	320	533	1,303	1,158	71
Kenya	5,263	2,290	560	553	747	503	276
Korea, North	969	566	116	4,029	0	279	2,159
Korea, South	59,237	15,335	16,942	14,273	33,909	24,996	13,912
Kuwait	0	20	317	329	180	16	713
Latvia	0	0	24	178	72	61	18
Lebanon	2,221	1,270	2,270	1,165	1,341	862	659
Liberia	157	294	498	0	159	0	0
Libyan Arab. Jam.	7,798	173	1,096	92	65	965	95
Lithuania	0	0	24	0	0	0	664
Luxembourg	0	57	29	12	131	0	397
Macau	88	120	0	17			
Macedonia	0	78	0	0	0	37	0
Madagascar	0	0	0	27			
Malawi	0	151	413	0	0	217	65
Malaysia	13,841	42,392	21,968	10,464	8,812	13,248	21,784
Maldives	0	29	0	0			
Mali	167	0	0	0			
Malta	481	541	370	292	377	556	436
Martinique	0	0	0	0			
Mauritania	69	0	0	441	0	0	247
Mauritius	66	52	70	77	70	13	75
Mexico	83,403	130,980	98,528	117,214	170,699	139,418	152,938
Morocco	7,631	11,125	8,168	11,312	12,321	9,332	8,915
Mozambique	939	1,577	925	304	1,951	1,154	2,072
Namibia	0	697	795	553	0	0	32
Nepal	0	0	78	61	0	0	1,120
Netherlands	24,589	35,305	21,575	12,518	18,038	11,400	6,924
Neth. Antilles	0	76	48	0	11	0	1
New Caledonia	0	0	0	0	3	0	0
New Zealand	12,662	5,041	4,690	4,343	6,677	6,786	4,934
Nicaragua	104	4,287	236	369	203	4	0
Nigeria	10,913	6,678	1,198	6,367	15,280	13,853	6,981
Norway	1,643	169	1,671	610	133	1,488	1,580
Oman (Muscat)	0	0	0	0	0	0	16

Countries	1997	1998	1999	2000	2001^R	2002^R	2003^P
	thousand dollars						
Pakistan	30	4,051	1,147	1,431	1,232	123	36,817
Panama	375	545	484	758	1,012	870	2,647
Paraguay	0	0	0	0	85	0	15
Peru	23,237	10,247	8,925	14,972	13,698	14,070	10,612
Philippines	21,561	13,166	16,243	21,541	38,310	29,835	34,013
Poland	377	2,017	587	184	413	275	481
Portugal	672	12,876	1,588	1,981	1,785	2,684	2,297
Qatar	0	30	61	64	101	119	14
Reunion	11	51	0	0			
Romania	0	3,714	33	123	26	255	11,781
Russia	2,279	473	363	1,018	6,760	3,277	1,253
Rwanda	319	300	0	0			
Saint Lucia	56	14	13	12	0	49	25
Saudi Arabia	21,103	1,593	737	3,105	4,309	373	4,264
Senegal	0	1,516	207	295	1,283	1,562	257
Seychelles	0	0	0	0	0	45	25
Sierra Leone	291	356	263	37	212	311	0
Singapore	440	152	658	1,324	2,290	1,005	5,872
Slovakia	0	0	0	62	108	169	183
Slovenia	0	0	797	31	22	136	0
Somalia	0	0	0	0	338	0	0
South Africa	7,456	9,794	4,343	7,977	1,306	3,836	2,635
Spain	43,291	32,188	28,883	24,334	33,209	7,276	47,399
Sri Lanka	5,363	1,823	5,836	5,113	2,516	0	6,910
St. Pierre-Miquelon	0	0	0	0	0	*	*
St. Vincent Gren.	0	0	0	0	0	6	0
Sudan	3,119	4,513	1,055	1,131	9,454	11,925	8,688
Surinam	17	49	0	45	87	72	133
Swaziland	0	456	601	191			
Sweden	342	578	455	228	575	726	590
Switzerland	1,094	3,284	1,616	1,462	1,355	2,728	1,567
Syrian Arab. Republic	0	19	0	0	0	0	144
Taiwan	3,406	28,808	9,603	6,111	3,768	7,917	9,308
Tanzania, Un. Rep.	1,065	1,793	644	250	549	763	0
Thailand	6,124	3,158	6,072	5,798	12,095	12,200	7,194
Togo	911	2,660	2,575	1,468	4,327	2,647	2,073
Trinidad-Tobago	1,546	2,018	2,252	1,704	1,656	986	2,834
Tunisia	3,971	199	218	123	792	5,721	3,568
Turkey	11,899	2,681	6,164	7,591	2,025	834	7,733
U.S. Outlying Islands	0	0	0	0	0	43	188
Uganda	0	0	473	0	0	0	0
Ukraine	0	0	22	7	0	5	7,329
United Arab Emir.	5,618	5,376	6,807	9,115	10,216	7,732	10,710
United Kingdom	20,026	22,147	31,836	20,217	21,263	36,252	28,737
United States	1,206,870	1,281,525	1,187,370	1,284,044	1,499,739	1,590,901	1,468,325
Uruguay	169	207	347	723	338	280	687
Venezuela	24,296	21,024	26,898	21,481	35,951	32,415	20,120
Vietnam	635	649	1,367	0	2,464	2,174	2,100
Yemen	0	210	0	0	912	60	0
Zambia	0	0	0	0	6	0	4
Zimbabwe	0	48	0	0	0	347	0
TOTAL	**2,680,336**	**2,811,396**	**2,413,617**	**2,407,713**	**2,998,570**	**2,857,958**	**2,773,590**

SOURCE: Statistics Canada, TIERS, Agriculture & Agri-Food Canada.

MAP 16: Manitoba Agri-Food Exports by Selected Regions, 2003, $ Million

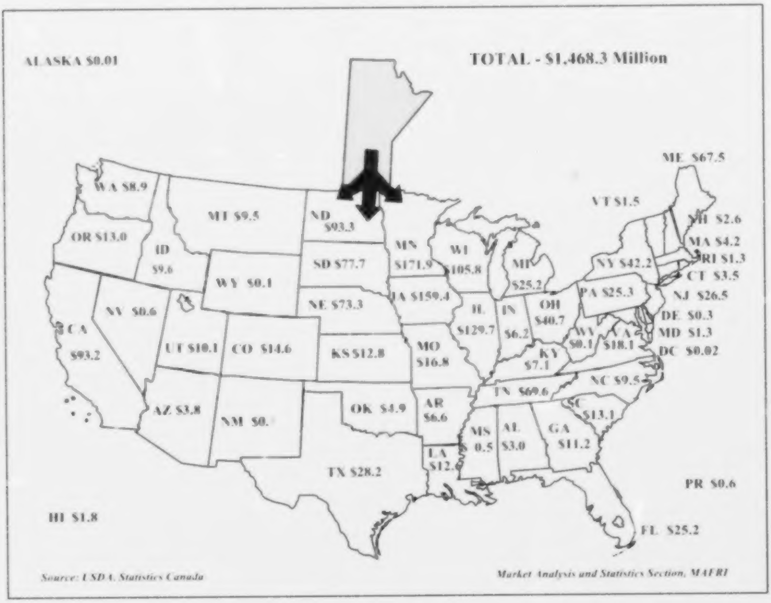

USA $1,468.3
Western Europe
$238.3
Eastern Europe $23.2
Middle East $36.7
Japan $378.5
China/Hong Kong $53.1
Mexico $152.9
Caribbean $17.2
Africa $84.2
Central America $13.8
India $12.2
Other Asia $174.6
South America $87.4
Oceania $25.4

Total = $2,773.6 Million

Source: Statistics Canada

Market Analysis and Statistics Section, MAFRI

MAP 17: Manitoba Agri-Food Exports to the United States, 2003, $ Million


ALASKA $0.01
TOTAL - $1,468.3 Million
ME $67.5
VT $1.5
WA $8.9
MT $9.5
ND
$93.3
NH $2.6
OR $13.0
ID
$9.6
MN
$171.9
WI
$105.8
MI
$25.2
NY $42.2
MA $4.2
RI $1.3
CT $3.5
SD $77.7
WY $0.1
IA $159.4
PA $25.3
NJ $26.5
NV $0.6
NE $73.3
IL
$129.7
IN
$6.2
OH
$40.7
DE $0.3
CA
$93.2
UT $10.1
CO $14.6
KS $12.8
MO
$16.8
WV
$0.1
VA
$18.1
MD $1.3
DC $0.02
KY
$7.1
NC $9.5
TN $69.6
AZ $3.8
NM $0.
OK $4.9
AR
$6.6
SC
$13.1
MS
$ 0.5
AL
$3.0
GA
$11.2
LA
$12.
TX $28.2
PR $0.6
HI $1.8
FL $25.2

Source: USDA, Statistics Canada

Market Analysis and Statistics Section, MAFRI

TABLE 144: Historical Agri-Food Exports by States

State	1997	1998	1999	2000	2001^R	2002^R	2003^P
	thousand dollars						
Alabama	1,678	676	915	1,557	5,313	6,487	3,025
Alaska	71	128	113	360	68	18	56
Arizona	663	931	1,266	1,748	1,525	1,898	3,785
Arkansas	1,771	1,760	1,594	2,826	8,831	12,825	6,637
California	53,950	81,917	73,737	67,651	81,987	85,744	93,245
Colorado	1,946	4,599	5,687	9,670	14,731	14,442	14,559
Connecticut	3,017	3,664	2,521	2,556	2,910	3,431	3,496
Delaware	70	598	650	652	644	244	254
Dist. of Columbia	1,945	4,036	4,194	445	376	11	17
Florida	6,963	5,401	9,751	14,047	34,688	24,420	25,221
Georgia	18,007	8,939	9,464	5,022	10,609	13,439	11,205
Hawaii	1,211	1,158	1,088	1,349	148	2,408	1,781
Idaho	5,298	13,200	5,091	4,312	4,838	7,117	9,582
Illinois	107,724	96,762	111,839	123,961	126,765	123,906	129,697
Indiana	2,649	7,764	7,142	5,927	3,867	6,016	6,186
Iowa	77,402	76,503	74,145	102,314	106,091	149,549	159,433
Kansas	1,896	2,144	3,252	3,824	4,221	4,546	12,770
Kentucky	4,392	7,413	5,472	7,233	8,474	8,532	7,099
Louisiana	3,180	2,956	2,877	7,177	14,742	16,986	12,599
Maine	973	1,474	1,825	6,471	33,806	41,158	67,451
Maryland	1,569	1,130	1,106	828	783	1,313	4,754
Massachusetts	7,383	6,653	2,158	1,612	3,474	7,704	4,167
Michigan	20,454	28,691	28,958	23,268	25,110	27,241	25,216
Minnesota	245,185	193,030	153,409	149,493	186,805	211,057	171,856
Mississippi	980	442	109	40	147	311	544
Missouri	17,507	20,501	20,243	13,712	15,808	22,893	16,824
Montana	12,163	6,700	4,764	4,565	5,823	6,457	9,450
Nebraska	93,146	132,380	113,280	119,756	161,771	151,027	73,294
Nevada	3,687	1,641	410	388	172	479	616
New Hampshire	1,985	1,913	2,258	1,437	1,761	1,978	2,593
New Jersey	22,208	22,798	26,208	30,689	26,354	20,876	26,469
New Mexico	126	663	193	150	241	317	546
New York	26,826	19,890	19,931	35,442	30,581	38,982	42,161
North Carolina	16,245	18,127	15,324	9,900	13,966	8,456	9,455
North Dakota	110,457	105,879	64,948	49,430	64,483	72,274	93,285
Ohio	43,245	52,477	39,901	41,089	48,282	50,265	40,686
Oklahoma	1,411	2,860	2,101	3,519	3,809	3,399	4,903
Oregon	10,533	9,938	9,695	14,537	16,732	14,854	12,983
Pennsylvania	11,696	15,435	16,612	25,507	36,425	33,601	25,319
Puerto Rico	5,250	9,780	5,304	8,212	4,498	5,689	613
Rhode Island	348	90	208	1,040	259	315	1,262
South Carolina	412	417	471	1,597	7,152	12,878	13,059
South Dakota	78,079	69,577	91,260	95,675	101,263	98,002	77,727
Tennessee	32,756	39,545	40,436	41,039	45,712	69,775	69,599
Texas	18,191	21,469	23,945	35,526	37,247	27,702	28,154
U.S. Virgin Islands	120	0	2,409	0	0	0	0
Utah	967	1,069	1,668	1,581	1,780	3,091	10,122
Vermont	537	642	651	575	741	1,176	1,517
Virginia	18,287	39,286	40,211	41,102	12,046	14,966	18,053
Washington, state	10,015	10,639	10,299	17,210	23,069	20,979	8,915
West Virginia	7	1	10	2	181	145	118
Wisconsin	99,844	123,356	125,658	145,636	158,338	139,455	105,823
Wyoming	444	413	611	385	292	66	143
States not specified	0	2,070	0	0	0	0	0
TOTAL UNITED STATES	**1,206,870**	**1,281,525**	**1,187,370**	**1,284,044**	**1,499,739**	**1,590,901**	**1,468,325**

SOURCE: Statistics Canada, TIERS, Agriculture & Agri-Food Canada.

TABLE 145: Historical Agri-Food Imports by Country

Countries	1997	1998	1999	2000	2001^{R}	2002^{R}	2003^{P}
	thousand dollars						
Afghanistan	*	-	13	4	4	2	-
Albania	4	3	9	5	7	9	3
American Samoa	8	2	-	-	-	-	*
Antigua-Barbuda	1	-	25	-	-	*	-
Argentina	1,240	1,637	2,238	1,229	1,224	1,428	1,814
Armenia					-	-	*
Australia	912	1,227	1,332	1,829	3,144	4,102	4,203
Austria	12	22	100	24	35	32	53
Azerbaijan	1	-	-	-	19	-	-
Bahamas	-	-	*	-	5	368	335
Bahrain	-	-	-	-	-	-	*
Bangladesh	-	-	*	-	1	*	*
Barbados	24	24	13	-	-	-	*
Belarus	-	-	*	-	-	-	-
Belgium	124	133	238	238	344	128	117
Belize	7	3	2	1	2	22	863
Bermuda	-	*	-	2	13	22	24
Bolivia	-	-	-	5	20	-	*
Bosnia'herzegovia	-	-	-	8	-	-	-
Botswana	-	*	-	-	-	-	-
Brazil	1,259	1,412	2,641	1,726	1,132	881	768
Brunei Darussalam	-	2	-	-	-	-	-
Bulgaria	2	3	3	4	1	60	12
Burundi	-	*	-	-	-	-	-
Cameroon	1	-	-	-	-	2	-
Cayman Islands	-	*	3	2	6	1	4
Chile	3,611	3,224	6,501	7,653	8,706	7,853	7,909
China, P. Rep.	263	385	310	421	575	789	1,177
Colombia	13,560	15,569	9,722	9,636	10,744	15,147	15,567
Comoros	-	-	*	-	259	-	-
Congo	*	-	-	-	-	-	-
Cook Islands	-	1	-	-	-	-	-
Costa Rica	4,069	2,940	2,014	509	458	594	1,977
Cote-d'Ivoire	-	24	72	-	2	6	5
Croatia	-	7	4	4	-	-	31
Cuba	2	3	2	-	-	-	6
Cyprus	-	-	120	*	*	-	-
Czech Republic	10	10	21	47	11	35	14
Denmark	541	54	316	1,096	931	1,335	1,109
Dominica	*	*	-	11	4	13	16
Dominican Rep.	42	37	97	104	43	193	157
Ecuador	1,435	2,857	3,882	3,721	4,297	5,304	6,457
Egypt	37	3	4	6	69	66	7
El Salvador	5	318	61	*	36	33	*
Ethiopia	*	151	*	82	368	348	298
Fiji	-	-		*	-	-	-
Finland	212	22	180	53	122	172	401
Former Yugoslavia	-	-	-	-	-	-	2
France	3,404	3,643	4,367	3,642	3,675	4,567	5,282
Gabon	-	19	31	16	1	11	-
Gambia	-	-	-	*	-	-	-
Georgia	*	-	-	-	-	-	-

Countries	1997	1998	1999	2000	2001^R	2002^R	2003^P
	thousand dollars						
Germany	1,780	1,966	3,192	1,811	1,564	1,392	1,655
Ghana	-	-	-	-	-	-	-
Greece	510	468	198	238	282	111	173
Grenada	-	*	4	-	-	-	-
Guam	3	2	-	51	100	13	*
Guatemala	2,321	2,415	1,427	2,819	3,214	5,495	5,577
Guinea	-	-	-	-			
Guyana	-	-	-	-	-	*	-
Haiti	9	3	6	-	-	-	1
Honduras	810	897	1,109	445	914	702	1,443
Hong Kong	40	46	58	7	3	5	2
Hungary	80	84	61	49	69	53	79
Iceland	1	1	3	6	313	2	26
India	496	146	134	370	1,221	1,788	1,417
Indonesia	190	37	203	254	439	490	400
Iran, Isla. Rep.	41	184	227	98	*	*	-
Ireland	967	1,004	1,257	1,180	1,241	1,439	1,887
Israel	34	25	158	46	64	143	134
Italy	2,718	2,507	3,805	2,954	3,202	3,707	2,926
Jamaica	99	59	47	57	65	90	137
Japan	261	404	504	395	877	781	354
Jordan	-	-	-	-	-	-	*
Kenya	2	*	*	3	98	6	6
Korea, South	7	5	49	4	5	25	5
Latvia	-	-	-	-	-	-	-
Lebanon	*	-	-	39	2	-	1
Lithuania	-	*	1	1	*	-	*
Macedonia	3	2	-	5	-	*	1
Madagascar	4	2	12	13	12	6	4
Malawi	38	-	-	2	6	5	3
Malaysia	2	19	1	*	4	18	*
Mali	7	-	-	-	-	-	-
Malta	-	-	1	-	-	-	1
Martinique	-	4	-	-			
Mexico	10,303	11,996	13,317	13,967	15,015	15,491	13,519
Morocco	6	4	85	*	722	101	8
Mozambique	-	-	-	-	-	-	13
Myanmar	22	97	27	25	91	21	38
Namibia	-	-	-	1	-	*	-
Nepal	-	-	*	-	-	*	-
Neth. Antilles	-	86	10	-	-	-	-
Netherlands	924	1,257	1,733	1,367	1,396	1,774	1,978
New Caledonia	-	-	-	-			
New Zealand	622	604	3,025	1,513	2,752	1,833	1,129
Nicaragua	135	73	299	17	33	112	54
Niger	*	1	-	5	-	-	-
Nigeria	-	*	1	22	*	-	10
Norway	3	23	-	2	-	95	59
Pakistan	2	10	2	-	*	2	1
Panama	67	45	47	10	19	1	81
Papua, New Guinea	*	-	-	-	-	-	-
Paraguay	23	53	33	29	14	15	62
Peru	13	125	104	301	1,118	2,072	2,675

Countries	1997	1998	1999	2000	2001^R	2002^R	2003^P
	thousand dollars						
Philippines	86	75	92	35	45	91	16
Pitcairn Island	267	166	48	-	-	-	-
Poland	60	102	185	166	142	198	377
Portugal	350	385	382	297	370	341	337
Romania	18	13	7	12	11	16	10
Russia	37	31	87	229	91	137	104
Saint Lucia	-	-	-	1	-	-	-
Saudi Arabia	2	60	48	-	-	-	*
Seychelles	-	*	-	-	-	-	-
Singapore	-	46	5	10	-	57	30
Slovakia	-	6	-	-	-	-	4
Slovenia	2	4	9	2	*	1	5
South Africa	738	1,274	3.130	399	2,431	1,370	1,380
Spain	530	771	1,588	948	896	834	1.031
Sri Lanka	5	13	14	9	11	50	82
St. Kitts-Nevis	-	-	-	-	-	-	-
St. Vincent Gren.	-	*	-	-	-	-	*
Sudan	-	-	-	-	-	-	-
Surinam	-	*	-	-	-	-	3
Sweden	163	413	245	181	271	434	316
Switzerland	44	31	170	172	264	378	40
Syria Arab. Rep.	-	-	-	*	-	-	-
Taiwan	143	53	95	125	108	75	46
Tanzania, Un. Rep	-	1	1	2	2	2	1
Thailand	474	461	476	313	218	202	296
Tokelau	5	-	-	-	-	-	-
Tonga	-	-	-	-	-	-	-
Trinidad-Tobago	-	*	*	-	-	-	3
Tunisia	-	*	*	-	*	*	3
Turkey	125	28	97	9	188	178	27
Uganda					-	-	25
Ukraine	-	11	165	103	9	1	71
United Arab Emir.	-	-	-	-	-	-	*
United Kingdom	4,674	3,467	4,241	3,297	2,972	3,574	3,135
United States	495,560	572,979	596,074	602,580	655,357	852,009	791,000
U.S. Outlying Islands	10	-	-	-	-	-	-
Uruguay	113	314	514	74	135	70	51
Venezuela	4	11	1	*	*	-	*
Vietnam	-	-	1	*	-	21	1
Yemen	*	*	-	-	-	-	*
Zaire	14	-	-	-	-	-	-
Zimbabwe	-	-	-	-	-	*	-
TOTAL	**556,752**	**639,101**	**673,137**	**669,147**	**734,635**	**941,350**	**882,862**

* Less than $500

NOTE: Totals do not include Canadian re-imports

SOURCE: Statistics Canada, TIERS, Agriculture & Agri-Food Canada

TABLE 146: Historical Agri-Food Imports by States

State	1997	1998	1999	2000	2001^R	2002^R	2003^P
	thousand dollars						
Alabama	3,970	4,482	2,724	2,689	6,993	5,808	2,541
Alaska	279	72	27	17	86	43	7
Arizona	1,823	552	3,590	4,700	2,547	2,865	3,364
Arkansas	10,948	10,721	7,808	7,401	7,808	9,079	9,860
California	53,810	62,205	58,309	60,061	62,058	54,087	41,129
Colorado	5,656	4,977	6,081	7,410	4,355	5,635	2,890
Connecticut	1,262	2,656	405	1,708	4,857	4,916	930
Delaware	252	61	133	7	27	150	49
Dist. of Columbia	769	999	671	6,151	3,577	413	20
Florida	15,069	20,472	22,874	22,328	22,762	27,525	23,550
Georgia	3,244	3,229	3,863	9,783	12,088	9,909	10,203
Hawaii	111	153	168	239	252	369	478
Idaho	2,867	3,708	5,065	2,756	2,634	7,569	6,556
Illinois	51,424	47,576	52,517	53,039	61,553	71,264	65,106
Indiana	7,287	6,390	6,609	6,984	6,656	10,809	20,225
Iowa	21,349	29,791	29,564	24,623	31,909	32,290	46,927
Kansas	15,105	12,037	13,432	8,228	6,119	6,360	7,485
Kentucky	5,936	6,041	4,153	4,476	4,607	5,994	5,560
Louisiana	708	917	591	1,025	1,166	1,207	927
Maine	1,858	357	217	577	576	792	985
Maryland	565	1,349	988	1,421	1,152	1,785	1,505
Massachusetts	2,391	1,304	4,392	6,794	5,939	2,006	588
Michigan	6,211	9,300	9,989	10,527	8,066	6,973	7,042
Minnesota	112,367	123,793	131,048	125,147	128,918	214,324	174,983
Mississippi	654	840	1,496	436	982	246	1,473
Missouri	12,871	18,198	18,590	19,396	12,086	33,271	35,342
Montana	298	454	781	499	634	509	487
Nebraska	12,595	17,081	15,778	14,546	13,067	16,826	25,744
Nevada	27	299	972	2,283	1,078	292	149
New Hampshire	1	2	20	59	288	2	15
New Jersey	9,795	14,978	5,566	7,012	13,233	12,828	8,436
New Mexico	54	26	118	234	73	36	76
New York	4,255	7,459	7,806	15,139	13,385	9,657	7,971
North Carolina	1,320	1,635	1,164	2,570	3,476	1,309	1,732
North Dakota	42,811	72,543	86,123	60,215	81,743	147,966	143,352
Ohio	8,075	7,409	10,097	12,633	14,939	12,863	14,775
Oklahoma	1,027	1,940	1,519	1,038	1,181	2,006	2,363
Oregon	1,328	1,141	2,478	4,267	4,473	4,642	2,901
Pennsylvania	2,680	3,974	4,625	4,362	4,811	4,429	5,101
Puerto Rico	*	2	1	1	55	3	35
Rhode Island	9	2	4	7	5	5	9
South Carolina	620	584	689	452	653	285	359
South Dakota	24,089	23,900	23,115	40,257	39,083	50,964	33,277
Tennessee	1,816	1,738	4,207	6,617	6,456	5,838	9,283
Texas	8,027	6,435	5,696	6,894	9,914	11,081	10,679
U.S. Virgin Islands	*	0	0	0	0	32	974
Utah	567	2,016	1,088	852	816	646	851
Vermont	4	2	22	79	52	20	2
Virginia	741	410	1,602	6,843	4,604	1,545	4,187
Washington, state	2,804	3,434	1,897	1,643	2,128	1,541	708
West Virginia	46	102	1	7	8	0	110
Wisconsin	33,070	32,601	34,225	25,693	39,021	50,624	47,208
Wyoming	9	61	84	136	352	281	437
States not specified	705	571	974	318	54	85	53
TOTAL UNITED STATES	**495,560**	**572,979**	**595,955**	**602,580**	**608,322**	**803,776**	**736,470**

* Less than $500

SOURCE: Statistics Canada, TIERS, Agriculture & Agri-Food Canada

TABLE 147: Census Farm Area and Land Use

Year	Improved Land					Unimproved Land	TOTAL LAND
	Crops	Pasture	Fallow	Other	TOTAL		
	thousand hectares						
1941	2,561	185	1,120	112	3,978	2,858	6,836
1946	2,608	208	1,036	103	3,955	2,791	6,746
1951	2,968	237	1,019	131	4,355	2,820	7,175
1956	3,110	241	1,144	140	4,635	2,622	7,257
1961	3,112	291	1,307	132	4,842	2,511	7,353
1966	3,518	312	1,080	127	5,037	2,686	7,723
1971	3,691	296	1,074	120	5,181	2,511	7,692
1976	3,848	311	934	124	1,372	2,483	7,700
1981	4,420	353	598	133	5,504	2,112	7,616
1986	4,519	275	509	100	5,403	2,337	7,740
1991	4,761	341	297	NA	5,399	2,326	7,725
1996	4,699	356	323	NA	5,379	2,353	7,732
2001	4,715	383	256	NA	5,354	2,248	7,602
	thousand acres						
1941	6,328	456	2,767	278	9,829	7,062	16,891
1946	6,445	514	2,560	254	9,773	6,898	16,671
1951	7,335	585	2,519	323	10,762	6,968	17,730
1956	7,686	595	2,828	345	11,454	6,478	17,932
1961	7,689	720	3,230	325	11,964	6,206	18,170
1966	8,694	770	2,669	313	12,446	6,638	19,084
1971	9,122	731	2,655	296	12,804	6,204	19,008
1976	9,508	769	2,308	306	12,891	6,135	19,026
1981	10,923	871	1,479	328	13,601	5,218	18,819
1986	11,168	679	1,258	246	13,351	5,775	19,126
1991	11,765	843	734	NA	13,342	5,747	19,089
1996	11,612	880	800	NA	13,292	5,815	19,107
2001	11,651	948	632	NA	13,230	5,554	18,784

SOURCE: Statistics Canada, Census of Agriculture.

TABLE 148: Census Farm Numbers and Size

Year	Farms	Average Size			
		Total		Improved	
		hectares	acres	hectares	acres
1941	58,024	118	291	68	169
1946	54,448	124	306	72	179
1951	52,383	137	338	83	205
1956	49,201	147	364	94	233
1961	43,306	170	420	112	276
1966	39,747	194	480	127	313
1971	34,981	220	543	148	366
1976	32,104	240	593	162	402
1981	29,442	259	639	187	462
1986	27,336	283	700	198	488
1991	25,706	301	743	210	519
1996	24,383	317	784	221	545
2001	21,071	361	891	254	628

SOURCE: Statistics Canada, Census of Agriculture.

TABLE 149: Census Farm Area by Tenure

Year	Area Operated By:				Total Area	
	Owners	Renters	Owners-Renters	Managers	Owned or Managed	Rented
	thousand hectares					
1941	3,744	1,386	1,637	69	4,698	2,138
1946	4,062	973	1,618	94	5,056	1,691
1951	4,264	722	2,019	170	5,580	1,595
1956	4,092	655	2,335	175	5,592	1,665
1961	3,722	552	2,843	236	5,551	1,802
1966	3,878	379	3,228	238	5,938	1,785
1971	3,581	371	3,740	NA	5,691	2,001
1976	3,283	479	3,938	NA	5,500	2,200
1981	2,668	579	4,369	NA	5,098	2,518
1986	NA	NA	NA	NA	4,871	2,869
1991	NA	NA	NA	NA	4,858	2,867
1996	NA	NA	NA	NA	4,929	2,803
2001	NA	NA	NA	NA	4,747	2,855
	thousand acres					
1941	9,252	3,424	4,044	171	11,609	5,283
1946	10,038	2,404	3,997	232	12,494	4,178
1951	10,536	1,784	4,989	421	13,788	3,942
1956	10,111	1,618	5,770	433	13,818	4,113
1961	9,196	1,365	7,026	583	13,716	4,454
1966	9,584	936	7,977	587	14,673	4,411
1971	8,849	917	9,242	NA	14,063	4,945
1976	8,112	1,183	9,731	NA	13,591	5,435
1981	6,592	1,430	10,797	NA	12,596	6,223
1986	NA	NA	NA	NA	12,038	7,089
1991	NA	NA	NA	NA	12,005	7,084
1996	NA	NA	NA	NA	12,179	6,927
2001	NA	NA	NA	NA	11,730	7,054

SOURCE: Statistics Canada, Census of Agriculture.

TABLE 150: Permit Holders, Quota Areas

	Permit Books	Quota Areas	
		Hectares	Acres
		thousands	
1988/89	24,410	5,849	14,452
1989/90	23,728	5,852	14,460
1990/91	22,760	5,812	14,362
1991/92	21,912	5,704	14,095
1992/93	20,946	5,607	13,855
1993/94	19,745	NA	NA
1994/95	18,191	NA	NA
1995/96	15,225	NA	NA
1996/97	15,524	NA	NA
1997/98	15,899	NA	NA
1998/99	14,800	NA	NA
1999/2000	13,993	NA	NA
2000/01	13,960	NA	NA
2001/02	12,527	NA	NA
2002/03	11,553	NA	NA
2003/04	11,211	NA	NA

SOURCE: Canadian Wheat Board.

TABLE 151: Historical Value Per Unit of Farmland and Buildings, Manitoba and Canada

Year	$ per hectare		$ per acre	
	Manitoba	Canada	Manitoba	Canada
1960	94	119	38	48
1961	99	124	40	50
1962	99	128	40	52
1963	106	136	43	55
1964	121	151	49	61
1965	138	168	56	68
1966	153	188	62	76
1967	175	212	71	86
1968	193	235	78	95
1969	183	240	74	97
1970	180	242	73	98
1971	178	247	72	100
1972	190	267	77	108
1973	227	324	92	131
1974	297	423	120	171
1975	348	536	141	217
1976	418	635	169	257
1977	492	731	199	296
1978	610	867	247	351
1979	719	1,072	291	434
1980	875	1,352	354	547
1981	1,013	1,520	410	615
1982	939	1,517	380	614
1983	939	1,448	380	586
1984	907	1,379	367	558
1985	887	1,278	359	517
1986	850	1,181	344	478
1987	803	1,127	325	456
1988	751	1,147	304	464
1989	810	1,280	328	518
1990	887	1,371	359	555
1991	882	1,384	357	560
1992	890	1,352	360	547
1993	922	1,371	373	555
1994	959	1,443	388	584
1995	1,020	1,567	413	634
1996	1,095	1,703	443	689
1997[R]	1,181	1,873	478	758
1998[R]	1,231	1,967	498	796
1999[R]	1,250	2,031	506	822
2000[R]	1,280	2,086	518	844
2001[R]	1,297	2,130	525	862
2002[R]	1,312	2,189	531	886
2003	1,354	2,239	548	906

SOURCE: Statistics Canada

TABLE 152: Census Farm and Total Population

Year	Number of Farms	Population		Farm Population % of Total
		Farm	Manitoba	
1931	54,199	256,305	700,139	36.6
1941	58,024	249,599	729,744	34.2
1946	54,448	224,919	726,923	30.9
1951	52,383	219,233	776,541	28.2
1956	49,201	202,163	850,040	23.8
1961	43,306	172,946	921,686	18.8
1966	39,747	161,662	963,066	16.8
1971	34,981	131,202	988,247	13.3
1976	32,104	114,115	1,021,506	11.2
1981	29,442	98,375	1,026,241	9.6
1986	27,336	86,505	1,071,232	8.1
1991	25,706	79,280	1,091,942	7.3
1996	24,383	79,840	1,113,898	7.2
2001	21,071	68,130	1,119,583	6.1

SOURCE: Statistics Canada, Censuses of Agriculture and Population.

TABLE 153: Census Farm Operators by Age and Sex

Year	All Farm Operators*			Under 35 Years of Age		35-54 Years of Age		Over 55 Years of Age		Average Age of Operators		
	Total	Male	Female	Male	Female	Male	Female	Male	Female	Total	Male	Female
1931	50,203	Not Available		10,386		39,817				Not Available		
1941	54,073			11,726		42,347						
1951	52,134			12,832		25,863		13,439				
1961	43,306			7,297		22,993		13,016				
1966	39,747			6,102		20,919		12,726				
1971	34,981			5,570		17,773		11,638		48.4	Not Available	
1976	32,104			6,880		14,916		10,308		47.2		
1981	29,442			7,228		13,261		8,953		46.3		
1986	27,335	26,465	870	6,150	185	11,505	355	8,810	325	47.2		
1991	34,780	27,005	7,775	5,580	1,605	12,270	4,020	9,155	2,145	47.4	47.7	46.3
1996^{R}	33,310	26,155	7,155	4,575	1,330	12,955	4,065	8,550	1,785	47.7	47.9	46.2
2001^{R}	28,795	22,225	6,570	2,985	875	11,640	3,840	7,655	1,805	49.0	49.4	47.6

* Prior to 1991 primary farm operators only.

SOURCE: Statistics Canada, Censuses of Agriculture and Population.

TABLE 154: Percentage of Persons in Manitoba Farm Households in the Labour Force, by Occupation

Occupation	1971		1981		1986	
	Number	%	Number	%	Number	%
Farm Operators	26,910	41	22,715	42	22,250	41
Farm Workers	16,970	26	8,750	16	10,460	19
Construction Occupation	2,405	4	1,965	4	1,800	3
Transport Equipment	1,655	3	1,450	3	1,320	2
Clerical and Related	2,285	3	3,585	7	3,720	7
Services Occupation	2,420	4	2,535	5	2,695	5
Teaching and Related	1,300	2	1,160	2	1,220	2
Sales Occupation	1,400	2	1,780	3	1,790	3
Medicine and Health	1,005	2	1,490	3	1,670	3
Product Fabricating	1,325	2	1,620	3	1,245	2
All Other Occupations	7,740	12	6,160	11	5,815	11
Not Specified	-	-	445	1	365	1
TOTAL	**65,415**	**100**	**53,655**	**100**	**54,350**	**100**

NOTE: Workers 15 years of age and over.

SOURCE: Statistics Canada, Censuses of Agriculture and Population.

TABLE 155: Census Numbers of Machinery on Farms

Year	Tractors	Trucks	Combines	Swathers	Balers
1951	50,984	21,163	15,268	-	-
1956	59,265	28,556	21,425	-	-
1961	61,463	31,806	23,662	20,408	8,573
1966	65,552	36,689	24,815	23,530	12,712
1971	64,587	41,306	23,325	23,833	13,472
1976	67,077	49,844	23,467	23,843	14,173
1981	67,342	54,070	22,631	24,291	15,694
1986	73,945	57,502	21,946	24,528	15,317
1991	73,523	57,904	20,588	23,403	15,812
1996	68,735	55,704	17,490	20,444	15,088
2001	69,209	51,784	14,673	21,785 *	13,518

* Includes mower conditioners.

SOURCE: Statistics Canada, Census of Agriculture.

TABLE 156: Historical Sales of Selected Farm Machinery

Year	Tractors	Combines	Swathers	Balers
1960	2,461	1,079	783	1,518
1961	1,803	496	743	1,043
1962	2,298	1,228	1,221	1,807
1963	2,735	1,378	1,328	1,187
1964	3,221	1,572	2,231	1,399
1965	3,037	1,900	2,339	1,212
1966	3,692	1,702	1,709	1,021
1967	2,973	1,454	1,838	642
1968	1,949	1,223	1,763	562
1969	1,610	642	1,100	537
1970	1,482	393	606	489
1971	1,138	482	772	485
1972	1,583	506	958	595
1973	2,371	856	1,462	779
1974	2,622	675	939	731
1975	2,823	856	1,471	1,007
1976	2,730	604	1,515	1,163
1977	2,190	1,012	1,131	850
1978	2,485	695	NA	297
1979	2,610	1,018	1,191	817
1980	2,251	781	1,249	810
1981	2,132	1,056	1,328	645
1982	1,787	636	977	465
1983	1,453	578	740	481
1984	1,550	580	787	383
1985	1,641	809	867	419
1986	1,378	591	430	529
1987	1,005	245	575	464
1988	1,040	145	601	510
1989	1,073	277	392	492
1990	1,010	302	190	470
1991	827	243	236	356

SOURCE: Statistics Canada, Canadian Farm and Industrial Equipment Institute.

TABLE 157: Historical Sales of Fertilizer

Year Ending June 30	Major Formulations[1]	Other Materials[2]	TOTAL	Major Formulations[1]	Other Materials[2]	TOTAL
	tonnes			tons		
1960	19,602	777	20,379	21,607	857	22,464
1961	26,022	1,130	27,152	28,684	1,246	29,930
1962	30,004	1,802	31,806	33,073	1,986	35,059
1963	41,376	1,376	42,752	45,608	1,517	47,125
1964	51,918	2,377	54,295	57,229	2,620	59,849
1965	65,104	2,420	67,524	71,764	2,668	74,432
1966	135,560	3,590	139,150	149,427	3,957	153,384
1967	160,425	3,902	164,327	176,835	4,301	181,136
1968	216,233	3,547	219,780	238,352	3,910	242,262
1969	124,874	3,888	128,762	137,648	4,286	141,934
1970	116,632	3,706	120,338	128,563	4,085	132,648
1971	172,860	4,354	177,214	190,542	4,799	195,341
1972	189,251	7,255	196,506	208,610	7,997	216,607
1973	271,469	6,125	277,594	299,238	6,751	305,989
1974	317,689	8,553	326,242	350,192	9,428	359,620
1975	340,129	4,521	344,650	374,928	4,983	379,911
1976	363,771	5,587	369,358	400,989	6,159	407,148
1977	360,072	7,037	367,109	396,908	7,757	404,665
1978	451,158	4,650	455,808	497,317	5,126	502,443
1979	538,900	4,800	543,700	594,029	5,291	599,320
1980	545,900	2,200	548,100	601,746	2,425	604,171
1981	513,000	4,000	517,000	565,480	4,409	569,889
1982	517,800	3,500	521,300	570,777	3,900	574,677
1983	502,600	1,400	504,000	554,070	1,500	555,570
1984	583,200	5,500	588,700	642,800	6,100	648,900
1985	669,100	5,400	674,500	737,706	5,954	743,660
1986	665,900	900	666,800	734,100	1,000	735,100
1987	568,100	47,900	616,000	626,200	52,800	679,000
1988	641,000	37,200	678,200	706,600	41,000	747,600
1989	580,900	46,600	627,500	640,400	51,400	691,800
1990	610,900	47,200	658,100	673,400	52,000	725,400
1991	659,600	40,800	700,400	727,100	45,000	772,100
1992	654,900	44,700	699,600	721,900	49,300	771,200
1993	707,500	42,400	749,900	779,900	46,700	826,600
1994	760,400	54,900	815,300	838,200	60,500	898,700
1995	790,200	54,600	844,800	871,000	60,200	931,200
1996	773,400	59,000	832,400	852,300	65,000	917,300
1997	839,100	64,300	903,400	924,600	70,900	995,500
1998	893,700	72,700	966,400	984,900	80,100	1,065,000
1999	854,400	57,400	911,800	941,700	63,300	1,005,000
2000	880,500	34,100	914,600	970,400	37,600	1,008,000
2001	812,300	24,800	837,000	895,300	27,300	922,400
2002	827,400	31,900	859,300	911,800	35,100	946,900
2003	966,900	35,300	1,002,200	1,065,500	38,900	1,104,400

[1] Includes ammonium phosphate, ammonium nitrate, urea, anhydrous ammonia, nitrogen solutions, ammonium sulphate, potassium chloride.

[2] Includes phosphates and sulphur solutions, mixed fertilizer materials and elemental sulphur and sulphate fertilizers not in "major formulations" category.

SOURCE: Agriculture and Agri-Food Canada, Farm Input Markets Unit, Farm Income Policy and Programs Directorate.

FARM FINANCES

TABLE 158: Historical Farm Input Price Indices (1992 = 100), Western Canada

	Building & Fencing	Machinery & Motor Vehicles	Crop Production	Animal Production	Supplies & Services	Hired Farm Labour	Property Taxes	Interest	Farm Rent	TOTAL FARM INPUTS
1971	29.1	33.0	31.2	33.7	30.1	23.1				29.4
1972	32.1	34.2	32.4	37.7	31.1	25.0				31.4
1973	36.1	35.6	37.3	51.5	33.0	28.6				36.6
1974	42.0	40.0	59.8	54.8	36.5	34.2				42.6
1975	45.6	46.5	73.8	54.3	41.1	40.6				48.0
1976	50.6	50.7	71.6	55.1	45.2	46.9				51.3
1977	54.5	54.5	68.6	54.8	48.5	52.1				52.6
1978	59.6	60.0	71.0	70.7	52.1	55.3				59.5
1979	66.5	67.8	78.5	89.6	57.2	58.6				69.7
1980	69.8	76.3	98.0	88.3	62.4	62.9				76.6
1981	76.0	84.9	104.9	88.9	74.9	67.2	56.1	129.9	110.7	88.1
1982	81.2	84.4	103.0	88.6	81.8	71.5	65.8	127.0	113.2	91.0
1983	87.7	88.1	100.2	89.4	85.6	74.0	67.7	104.6	115.4	91.2
1984	86.8	90.2	103.5	90.9	89.8	77.1	71.8	115.8	107.1	93.9
1985	87.9	88.4	106.0	90.4	91.7	79.6	76.7	117.3	116.3	95.1
1986	93.6	90.2	105.5	96.6	91.7	81.8	81.8	102.0	108.7	95.3
1987	96.3	89.3	98.6	101.0	93.2	83.7	80.0	99.3	90.3	94.1
1988	96.6	90.6	97.2	107.1	93.7	87.5	84.4	107.7	90.4	96.9
1989	98.3	92.8	104.4	107.1	93.6	91.9	89.7	121.3	106.1	101.2
1990	100.3	96.4	104.6	104.8	96.5	95.1	93.1	130.6	110.0	103.5
1991	98.2	99.7	97.8	103.2	98.6	98.9	97.1	112.4	102.5	101.3
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	107.8	103.4	105.2	111.5	101.8	100.7	103.0	96.1	104.9	104.8
1994	114.2	108.6	111.7	115.3	105.1	102.7	108.3	92.4	108.4	108.6
1995	114.1	114.5	127.1	110.6	107.8	105.9	112.3	101.3	130.2	114.1
1996	116.5	119.0	137.6	112.3	113.2	110.1	116.9	90.2	152.9	118.1
1997	120.3	122.7	131.6	122.9	115.1	115.4	119.0	87.3	138.2	120.3
1998	116.9	123.5	126.7	117.7	111.8	115.9	122.6	86.5	139.2	118.5
1999	123.2	125.0	122.4	120.3	112.3	111.0	124.1	86.9	139.7	119.0
2000	118.6	136.0	123.1	133.6	116.2	117.1	126.1	95.0	130.6	126.7
2001	118.5	143.3	142.7	141.0	118.6	123.8	121.4	89.2	128.0	132.9
2002^R	121.6	140.7	140.6	136.6	119.6	126.0	127.9	83.7	135.6	130.9
2003	120.9	154.4	167.1	130.7	125.0	129.9	136.0	82.7	149.0	137.4

SOURCE: Statistics Canada, Cansim.

TABLE 159: Historical Farm Input Price Indices (1992 = 100), Manitoba

	Building & Fencing	Machinery & Motor Vehicles	Crop Production	Animal Production	Supplies & Services	Hired Farm Labour	Property Taxes	Interest	Farm Rent	TOTAL FARM INPUTS
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	106.4	102.4	103.2	110.8	101.1	103.3	103.0	97.1	96.5	103.6
1994	113.3	107.1	111.9	115.6	102.5	106.8	111.8	93.8	103.7	108.6
1995	113.8	113.8	126.2	113.0	104.6	110.3	124.6	101.2	117.4	114.9
1996	115.8	118.1	134.1	118.4	107.8	114.1	128.3	89.8	135.1	119.5
1997	120.7	121.7	130.3	126.1	110.9	115.2	129.4	87.2	129.3	121.3
1998	117.9	121.8	126.8	117.3	110.9	119.2	133.8	90.0	132.7	119.5
1999	Not Available									
2000										
2001										
2002										

SOURCE: Statistics Canada.

TABLE 160: Historical Farm Product Price Indices (1986 = 100), Manitoba, 1986-1995

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
TOTAL INDEX	**100.0**	**95.2**	**106.4**	**115.9**	**109.3**	**96.8**	**98.9**	**104.0**	**108.4**	**118.9**
TOTAL CROPS	**100.0**	**87.9**	**116.0**	**133.8**	**116.4**	**94.9**	**98.7**	**100.4**	**112.8**	**135.9**
Cereals	100.0	86.8	113.0	134.3	112.1	92.0	97.7	95.8	108.8	138.7
Oilseeds	100.0	83.5	130.5	135.5	127.9	95.0	96.1	111.6	131.1	147.8
All Other Crops[1]	100.0	104.6	109.9	126.1	123.9	115.5	109.0	111.9	104.8	90.7
TOTAL LIVESTOCK & PRODUCTS	**100.0**	**103.0**	**96.3**	**97.0**	**101.8**	**98.7**	**99.2**	**107.8**	**103.8**	**100.9**
Cattle & Calves	100.0	110.9	106.7	105.4	108.3	107.1	107.9	121.1	109.8	100.4
Hogs	100.0	97.7	74.6	72.4	88.6	78.5	77.1	84.8	84.0	85.1
Poultry	100.0	95.2	97.5	105.8	104.0	100.2	97.7	98.6	95.2	94.4
Eggs	100.0	92.0	98.8	106.5	94.8	93.5	101.9	104.8	107.4	114.6
Dairy	100.0	98.8	104.1	109.1	109.4	111.0	111.0	115.4	121.6	123.1
Other Livestock & Products[2]	100.0	104.2	97.7	84.2	88.4	100.8	101.3	112.9	113.7	114.0

[1] Includes fruits, vegetables (including potatoes), sugar beets and sunflower seed.

2 Includes lambs, honey and fur.

SOURCE: Statistics Canada.

TABLE 161: Historical Farm Product Price Indices (1997 = 100), Manitoba, 1993-2003

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002[R]	2003[P]
TOTAL INDEX	**80.8**	**85.5**	**97.7**	**104.8**	**100.0**	**94.3**	**87.5**	**88.1**	**96.5**	**101.1**	**94.6**
TOTAL CROPS	**71.3**	**80.4**	**102.5**	**110.1**	**100.0**	**98.9**	**85.1**	**76.2**	**87.6**	**105.0**	**94.6**
Grains	69.6	78.3	108.1	116.7	100.0	98.1	89.4	83.4	92.8	108.8	93.2
Oilseeds	70.7	83.8	94.0	100.3	100.0	97.7	74.3	59.0	73.9	97.5	92.3
Specialty Crops	85.2	98.1	104.3	117.0	100.0	105.8	99.8	93.3	108.9	116.7	105.8
Fruit	107.3	112.7	112.4	84.5	100.0	90.5	89.8	93.1	121.6	96.0	100.6
Vegetables (excl. potatoes)	97.7	95.0	98.1	103.0	100.0	96.0	97.4	101.5	110.5	113.8	103.5
Potatoes	78.9	77.7	91.9	96.5	100.0	109.9	97.8	100.9	101.6	108.7	103.5
TOTAL LIVESTOCK & PRODUCTS	**93.9**	**92.4**	**90.5**	**96.7**	**100.0**	**87.8**	**90.6**	**103.7**	**108.6**	**97.8**	**95.7**
Cattle & Calves	114.5	108.0	98.7	89.4	100.0	102.3	108.9	120.3	123.5	110.1	103.5
Hogs	80.6	80.4	82.0	101.2	100.0	67.1	69.1	92.0	98.3	84.0	82.0
Poultry	90.1	86.4	86.0	100.0	100.0	96.3	92.9	92.4	99.1	96.6	100.2
Eggs	90.3	92.4	98.4	105.4	100.0	96.8	91.0	86.2	85.2	80.3	83.3
Dairy	86.3	90.5	91.7	96.5	100.0	102.2	105.6	104.6	109.2	114.6	120.4

SOURCE: Statistics Canada, Cat. No. 21-007-XIB, June 2004.

TABLE 162: **Historical Farm Cash Receipts**

Year	Crop Receipts	Livestock Receipts	Other Receipts	TOTAL CASH RECEIPTS
	thousand dollars			
1960	113,719	108,193	10,925	232,837
1961	114,253	124,778	3,730	242,761
1962	136,379	114,225	12,113	262,717
1963	147,707	121,768	2,273	271,748
1964	170,778	128,266	2,486	301,530
1965	184,173	155,935	2,505	342,613
1966	200,084	172,842	4,953	377,879
1967	193,198	174,481	7,123	374,802
1968	187,754	170,713	6,396	364,863
1969	168,823	176,516	5,727	351,066
1970	128,703	202,614	10,110	341,427
1971	173,905	194,192	10,352	378,449
1972	238,844	239,750	18,989	497,583
1973	281,819	329,987	17,786	629,592
1974	481,012	334,651	14,127	829,790
1975	565,301	349,668	35,533	950,502
1976	489,776	356,896	43,410	890,082
1977	472,226	381,330	31,145	884,701
1978	595,864	501,014	49,804	1,146,682
1979	711,094	565,325	66,665	1,343,084
1980	819,870	598,142	76,281	1,494,293
1981	962,069	608,869	80,490	1,651,428
1982	1,004,734	672,638	47,609	1,724,981
1983	1,099,752	625,487	78,130	1,803,369
1984	1,159,150	696,172	134,201	1,989,523
1985	1,106,780	731,509	172,246	2,010,535
1986	1,066,413	797,799	237,746	2,101,958
1987	804,432	833,956	477,557	2,115,945
1988	869,786	787,858	431,831	2,089,475
1989	888,685	769,658	449,853	2,108,196
1990	1,022,198	793,961	169,283	1,985,442
1991^{R}	1,015,312	759,063	230,030	2,004,405
1992^{R}	954,497	825,737	388,530	2,168,764
1993^{R}	1,059,076	933,795	387,483	2,380,354
1994^{R}	1,217,981	919,248	313,786	2,451,015
1995^{R}	1,426,786	956,398	120,104	2,503,288
1996^{R}	1,618,597	1,113,602	56,181	2,788,380
1997^{R}	1,694,342	1,199,864	142,019	3,036,225
1998^{R}	1,628,931	1,217,143	92,084	2,938,158
1999^{R}	1,401,170	1,290,818	216,017	2,908,005
2000^{R}	1,312,530	1,550,912	287,093	3,150,535
2001^{R}	1,519,408	1,795,685	382,147	3,697,240
2002^{R}	1,915,131	1,721,192	218,963	3,855,286
2003^{P}	1,683,667	1,553,970	308,253	3,545,890

SOURCE: Statistics Canada.

TABLE 163: Historical Farm Cash Receipts From Crop Sales

Year	Wheat	Oats	Barley	Flaxseed	Canola	Other	TOTAL CROPS
	thousand dollars						
1960	66,349	6,378	15,108	12,189	754	12,941	113,719
1961	81,410	5,522	10,367	12,603	526	3,825	114,253
1962	77,416	10,129	11,395	20,654	884	15,901	136,379
1963	91,003	12,478	9,362	16,707	1,497	16,660	147,707
1964	99,832	12,423	10,059	29,323	3,047	16,094	170,778
1965	110,968	11,593	12,172	25,320	3,170	20,950	184,173
1966	114,363	14,457	13,936	33,996	4,619	18,713	200,084
1967	120,418	12,171	15,830	20,655	3,544	20,580	193,198
1968	109,486	11,292	17,127	15,192	3,103	31,554	187,754
1969	72,057	12,886	13,268	25,685	5,418	39,509	168,823
1970	72,317	6,347	21,472	17,613	9,727	1,227	128,703
1971	77,144	7,747	31,961	14,710	14,091	28,252	173,905
1972	113,272	11,553	45,302	12,988	19,901	35,828	238,844
1973	120,963	15,684	69,946	38,535	32,472	4,219	281,819
1974	225,296	14,649	100,889	61,350	50,120	28,708	481,012
1975	287,418	28,879	99,019	38,140	42,461	69,384	565,301
1976	243,166	23,883	80,402	39,881	29,040	73,404	489,776
1977	182,535	22,151	70,867	42,099	56,694	97,880	472,226
1978	234,187	15,681	99,334	54,594	90,696	101,372	595,864
1979	281,269	6,200	102,939	77,247	122,522	120,917	711,094
1980	388,022	4,907	93,564	92,919	99,492	140,966	819,870
1981	473,515	6,983	147,752	74,343	75,337	184,139	962,069
1982	512,010	7,211	161,038	67,409	99,509	157,557	1,004,734
1983	582,917	8,464	160,290	107,918	120,997	119,166	1,099,752
1984	618,065	8,406	134,887	96,942	138,996	161,854	1,159,150
1985	517,057	7,674	152,892	124,168	138,738	166,251	1,106,780
1986	537,768	9,030	147,368	83,102	125,064	164,081	1,066,413
1987	405,256	7,532	64,389	62,689	108,806	155,760	804,432
1988	440,019	12,634	63,638	71,932	146,263	135,300	869,786
1989	410,462	12,950	87,056	70,616	127,780	179,821	888,685
1990	568,040	8,531	96,776	55,004	101,821	192,026	1,022,198
1991	558,924	5,299	69,305	35,467	132,382	213,935	1,015,312
1992^R	426,845	18,475	57,385	49,782	197,095	204,915	954,497
1993^R	485,538	29,663	60,810	52,382	257,835	172,848	1,059,076
1994^R	501,173	27,635	57,772	75,123	402,350	153,928	1,217,981
1995^R	599,284	48,436	66,399	92,747	370,142	249,778	1,426,786
1996^R	675,314	85,133	94,115	88,653	396,994	278,389	1,618,597
1997^R	649,030	79,379	86,830	134,764	471,851	272,488	1,694,342
1998^R	469,080	62,262	51,885	93,062	622,296	330,346	1,628,931
1999^R	493,898	63,524	38,347	42,647	351,749	411,005	1,401,170
2000^R	447,319	68,208	45,058	47,099	324,316	380,530	1,312,530
2001^R	586,309	95,986	93,607	50,203	363,892	329,411	1,519,408
2002^R	658,409	124,780	84,970	83,858	484,400	478,714	1,915,131
2003^P	451,711	112,992	40,853	58,106	530,025	489,980	1,683,667

SOURCE: Statistics Canada.

TABLE 164: Historical Farm Cash Receipts From Livestock Sales

Year	Cattle & Calves	Hogs	Sheep & Lambs	Dairy Products	Poultry & Eggs	Other Livestock & Products	TOTAL LIVESTOCK
	thousand dollars						
1960	40,298	17,884	466	23,868	20,570	5,107	108,193
1961	51,535	22,356	527	24,084	21,155	5,121	124,778
1962	44,074	20,628	445	24,096	19,970	5,012	114,225
1963	48,095	19,440	523	23,984	24,228	5,498	121,768
1964	51,026	23,582	544	23,699	23,972	5,443	128,266
1965	71,573	27,415	462	23,255	26,233	6,997	155,935
1966	78,326	35,084	346	22,055	30,464	6,567	172,842
1967	80,557	37,280	325	22,665	27,445	6,209	174,481
1968	76,234	36,074	244	23,075	29,763	5,323	170,713
1969	68,167	44,324	255	23,551	34,743	5,476	176,516
1970	81,239	58,021	213	23,890	34,367	4,884	202,614
1971	85,593	51,211	362	24,171	27,611	5,244	194,192
1972	105,548	66,293	362	28,183	32,173	7,191	239,750
1973	132,136	104,071	402	31,503	52,081	9,794	329,987
1974	131,791	94,758	497	42,951	54,005	10,649	334,651
1975	152,366	87,866	390	50,142	47,593	11,311	349,668
1976	155,618	79,877	383	52,087	55,843	13,088	356,896
1977	178,756	78,230	432	53,122	56,853	13,937	381,330
1978	260,375	105,026	657	57,335	59,492	18,129	501,014
1979	297,132	115,682	694	63,419	68,586	19,812	565,325
1980	308,756	117,432	860	75,491	75,618	19,985	598,142
1981	267,793	137,549	1,078	86,587	84,077	31,785	608,869
1982	286,854	169,466	1,096	95,944	84,683	34,595	672,638
1983	250,573	156,633	1,396	97,798	85,293	33,794	625,487
1984	273,287	185,928	1,536	104,928	93,398	37,095	696,172
1985	297,161	194,859	2,349	102,370	94,456	40,314	731,509
1986	306,566	244,233	1,699	106,782	96,388	42,131	797,799
1987	340,159	246,851	1,683	110,246	94,580	40,437	833,956
1988	318,078	210,987	1,454	118,185	99,332	39,822	787,858
1989	286,622	213,646	1,255	121,201	107,026	39,908	769,658
1990	293,325	236,048	1,521	118,455	103,035	41,577	793,961
1991^R	257,472	233,041	2,509	118,168	101,767	46,106	759,063
1992^R	303,932	240,038	6,244	114,820	101,324	59,379	825,737
1993^R	362,927	276,732	6,843	115,150	102,772	69,371	933,795
1994^R	317,125	289,749	8,521	127,144	106,094	70,615	919,248
1995^R	311,957	322,982	9,949	128,720	110,773	72,017	956,398
1996^R	307,847	448,465	11,512	132,386	125,245	88,147	1,113,602
1997^R	370,015	467,856	12,330	140,430	120,795	88,438	1,199,864
1998^R	449,706	398,324	10,629	145,945	122,348	90,191	1,217,143
1999^R	455,237	458,754	9,320	152,288	125,264	89,955	1,290,818
2000^R	484,195	669,727	10,220	154,029	141,848	90,893	1,550,912
2001^R	569,541	805,672	10,184	157,999	149,458	102,831	1,795,685
2002^R	560,420	718,951	9,778	163,924	149,765	118,354	1,721,192
2003^P	344,690	754,381	7,448	174,422	153,702	119,327	1,553,970

SOURCE: Statistics Canada.

TABLE 165: Historical Farm Operating Expenses and Depreciation Charges

Year	Machinery Operation & Heating Fuel	Depre- ciation, Bldgs. & Machinery	Interest on Debt	Rent & Taxes	Hired Labour	Feed Bought Commer- cially	Seed Bought Commer- cially	Fertilizer	Other	TOTAL EXPENSES*
	thousand dollars									
1960	46,518	33,692	7,790	19,166	12,108	9,531	2,199	2,213	17,081	150,298
1961	46,028	33,971	8,833	18,882	12,571	9,437	2,911	3,494	17,012	153,139
1962	47,540	34,777	10,109	21,110	12,338	16,732	3,044	3,237	19,051	167,938
1963	47,953	36,971	11,635	22,290	11,507	11,911	3,352	4,558	22,134	172,311
1964	49,613	40,289	14,119	22,339	11,530	12,408	3,990	5,925	25,047	185,260
1965	49,989	44,160	15,942	23,434	14,281	12,928	4,521	7,564	26,903	199,722
1966	51,551	48,150	17,948	23,829	14,341	17,256	4,736	15,302	30,461	223,574
1967	53,438	52,593	20,205	24,749	15,565	25,308	4,340	18,521	33,612	248,331
1968	54,919	55,967	23,593	25,961	15,964	20,599	5,274	24,772	35,389	262,338
1969	56,353	56,245	27,315	25,241	15,881	20,075	6,208	13,050	32,278	252,646
1970	57,573	55,633	22,173	24,938	15,943	21,224	5,872	10,906	32,806	247,068
1971	60,949	54,375	22,275	22,152	16,228	23,940	6,996	15,780	55,560	278,255
1972	65,567	56,079	31,487	25,253	16,891	28,551	8,345	18,903	67,409	318,485
1973	76,247	61,078	28,210	35,301	18,925	43,493	9,740	26,708	82,145	381,847
1974	96,805	79,170	38,512	40,800	22,921	60,565	11,591	36,732	104,463	491,559
1975	105,862	106,069	43,997	50,074	26,900	61,476	13,793	59,390	120,523	588,084
1976	116,982	130,798	57,735	54,375	28,174	65,381	16,349	65,274	144,182	679,250
1977	129,142	146,234	63,062	62,316	31,050	66,482	18,074	73,516	167,396	757,272
1978	147,582	166,021	81,506	75,908	35,121	64,471	23,675	101,402	185,728	881,414
1979	162,145	193,799	118,584	93,268	41,255	83,146	33,352	133,540	230,437	1,089,526
1980	182,814	224,299	147,996	107,578	49,576	115,472	34,968	145,361	251,491	1,259,555
1981	248,757	251,006	210,582	115,010	63,176	116,419	36,984	162,959	297,401	1,502,294
1982	273,208	274,349	187,595	124,927	76,832	108,450	39,542	167,540	309,785	1,562,228
1983	292,740	283,751	167,325	130,042	74,992	124,367	44,985	188,069	328,876	1,635,147
1984	298,068	283,147	171,452	137,746	86,341	148,844	49,578	211,073	353,045	1,739,294
1985	302,232	266,706	170,690	142,690	99,015	144,324	48,817	219,153	383,818	1,777,445
1986	282,714	274,745	161,587	136,880	101,444	151,630	47,449	199,373	382,465	1,738,287
1987	286,327	265,711	170,764	109,501	108,534	153,938	44,428	188,943	399,821	1,727,967
1988	263,849	271,640	156,986	124,996	119,544	164,801	48,387	197,141	419,089	1,766,433
1989	289,622	277,180	158,909	139,437	129,284	183,640	47,983	183,307	460,316	1,869,678
1990	307,099	281,822	173,283	135,099	130,644	154,898	49,359	186,594	468,689	1,887,487
1991^R	320,387	272,126	160,966	137,620	138,934	153,632	54,709	189,654	497,401	1,925,429
1992^R	321,930	275,555	151,158	146,948	141,523	157,279	51,835	200,455	541,159	1,987,842
1993^R	343,102	277,615	138,502	150,778	153,015	173,407	61,943	220,778	565,396	2,084,536
1994^R	346,298	298,096	155,684	160,932	162,470	199,175	74,608	265,101	623,429	2,285,793
1995^R	358,289	321,820	170,657	162,875	164,479	215,797	74,644	290,689	658,511	2,417,761
1996^R	373,281	343,781	168,737	173,810	173,085	267,587	82,244	306,840	717,641	2,607,006
1997^R	376,499	357,193	161,350	180,780	186,916	322,888	91,121	311,693	714,347	2,702,787
1998^R	361,783	376,404	181,751	187,150	193,004	329,181	97,661	307,304	723,503	2,757,741
1999^R	372,598	388,874	200,314	194,007	201,225	317,013	90,975	278,494	721,683	2,765,183
2000^R	408,563	386,933	232,240	198,671	214,839	350,698	94,862	291,214	772,368	2,950,388
2001^R	425,543	397,886	231,155	204,126	243,198	420,838	95,810	351,938	817,807	3,188,281
2002^R	423,919	397,354	222,300	223,282	261,438	505,006	112,768	337,860	842,514	3,326,441
2003^P	452,715	426,244	227,592	228,855	276,079	494,906	133,066	442,597	837,821	3,519,875

* Totals may not add due to rounding; includes rebates from 1971

SOURCE: Statistics Canada

TABLE 166: Historical Farm Income Summary

Year	Crop Receipts	Livestock Receipts	Direct Payments	Total Cash Receipts	Operating Expenses After Rebates	Net Cash Income	Income-In-Kind	Realized Gross Income	Operating & Depreciation Costs	Realized Net Income	Value of Inventory Change	TOTAL NET INCOME*
	million dollars											
1960	114	108	11	233			12	245	150	95	8	103
1961	115	125	3	243			12	255	153	102	-57	45
1962	137	114	12	263			11	274	168	106	53	159
1963	148	122	2	272			11	283	172	111	-4	107
1964	171	128	2	302			10	312	185	127	29	156
1965	184	156	2	343			11	354	200	154	10	164
1966	200	173	5	378			10	388	224	164	-27	137
1967	193	174	7	374			10	384	148	136	16	152
1968	188	171	6	365			10	375	262	112	51	163
1969	169	177	5	351			10	362	253	109	9	118
1970	129	203	10	341			10	351	247	104	-15	89
								Depreciation Charges				
1971	174	194	10	378	224	155	9	54		109	39	148
1972	239	240	19	498	262	235	10	56		189	-32	157
1973	282	330	18	630	321	309	12	61		259	95	355
1974	481	335	14	830	412	417	10	79		349	-49	300
1975	565	350	36	951	482	468	9	106		372	9	381
1976	490	357	43	890	548	342	12	131		223	40	263
1977	472	381	31	885	611	274	10	146		137	134	271
1978	596	501	50	1,147	715	431	12	166		277	49	325
1979	711	565	67	1,343	896	447	13	194		266	-53	214
1980	820	598	76	1,494	1,035	459	15	224		250	-236	14
1981	962	609	80	1,651	1,251	400	15	251		164	227	391
1982	1,005	673	48	1,725	1,288	437	14	274		177	78	255
1983	1,100	625	78	1,803	1,351	452	14	284		182	-164	18
1984	1,159	696	134	1,990	1,456	533	14	283		264	5	269
1985	1,107	732	172	2,011	1,511	500	13	267		247	293	540
1986	1,066	798	238	2,102	1,464	638	10	275		373	-47	326
1987	804	834	478	2,116	1,462	654	8	266		396	-71	325
1988	870	788	432	2,089	1,495	595	8	272		331	-225	107
1989	889	770	450	2,108	1,592	516	8	277		247	144	391
1990	1,022	794	169	1,985	1,606	380	8	282		106	314	420
1991^{R}	1,015	759	230	2,004	1,637	367	8	272		103	-1	102
1992^{R}	954	826	389	2,169	1,712	457	8	276		189	70	260
1993^{R}	1,059	934	387	2,380	1,807	573	10	278		306	-102	204
1994^{R}	1,218	919	314	2,451	1,988	463	10	298		175	167	342
1995^{R}	1,427	956	120	2,503	2,096	407	10	322		95	31	126
1996^{R}	1,619	1,114	56	2,788	2,263	525	11	344		192	297	489
1997^{R}	1,694	1,200	142	3,036	2,346	691	10	357		344	-119	224
1998^{R}	1,629	1,217	92	2,938	2,381	557	9	376		189	55	244
1999^{R}	1,401	1,291	216	2,908	2,376	532	9	389		152	-26	126
2000^{R}	1,313	1,551	287	3,151	2,563	587	9	387		209	175	384
2001^{R}	1,519	1,796	382	3,697	2,790	907	9	398		517	-67	451
2002^{R}	1,915	1,721	219	3,855	2,929	926	8	397		537	-36	501
2003^{P}	1,684	1,554	308	3,546	3,094	452	8	426		34	384	418

* Totals may not add due to rounding

SOURCE: Statistics Canada

TABLE 167: Historical Total Net Income and Total Cash Receipts Per Farm

Year	No. of Farms	Total Net Income	Total Cash Receipts
		dollars per farm	
1960	44,400	2,300	5,200
1961	43,306	1,000	5,600
1962	42,600	3,700	6,200
1963	41,900	2,500	6,500
1964	41,200	3,800	7,300
1965	40,500	4,100	8,500
1966	39,747	3,500	9,500
1967	38,700	3,900	9,700
1968	37,700	4,300	9,700
1969	36,700	3,200	9,600
1970	35,800	2,500	9,500
1971	34,981	4,200	10,800
1972	34,400	4,600	14,500
1973	33,825	10,500	18,600
1974	33,250	9,000	25,000
1975	32,675	11,600	29,100
1976	32,104	8,200	27,700
1977	31,600	8,600	28,000
1978	31,000	10,500	37,000
1979	30,500	7,000	44,000
1980	30,000	500	49,800
1981	29,442	13,300	56,100
1982	29,300	8,700	58,900
1983	29,000	600	62,200
1984	29,000	9,300	68,600
1985	28,700	18,800	70,100
1986	27,336	11,900	76,900
1987	27,010	12,000	78,300
1988	26,680	4,000	78,300
1989	26,350	14,800	80,000
1990	26,000	16,200	76,400
1991^{R}	25,706	4,000	78,000
1992^{R}	25,500	10,200	85,100
1993^{R}	25,300	8,100	94,100
1994^{R}	25,000	13,700	98,100
1995^{R}	24,700	5,100	101,400
1996^{R}	24,383	20,100	114,400
1997^{R}	24,000	9,400	126,600
1998^{R}	23,700	10,400	124,000
1999^{R}	23,400	5,400	124,300
2000^{R}	22,000	17,500	143,300
2001^{R}	21,071	21,400	175,500
2002^{R}	20,800	24,100	185,400
2003^{P}	20,500	20,400	173,000

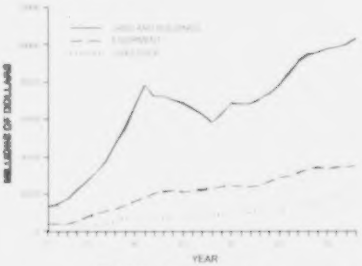
NOTE: Rounded to nearest hundred.
SOURCE: Statistics Canada; Manitoba Agriculture, Food and Rural Initiatives.

TABLE 168: Historical Capital Investment Values

Year	Land and Buildings	Machinery and Equipment	Livestock	TOTAL	Per Farm
	thousand dollars				$
1941	229,488	58,887	51,542	339,917	5,900
1946	338,502	94,394	80,755	513,651	9,500
1951	528,873	231,801	156,612	917,286	17,600
1956	624,243	251,983	109,831	986,057	20,100
1961	719,612	272,019	163,723	1,155,354	26,700
1962	736,120	279,890	167,582	1,183,592	27,800
1963	801,695	297,545	179,864	1,279,104	30,600
1964	916,337	322,136	191,836	1,430,309	34,800
1965	1,063,537	350,070	181,647	1,595,254	39,400
1966	1,178,178	380,352	200,888	1,759,418	44,300
1967	1,348,022	405,762	205,700	1,959,484	50,700
1968	1,478,714	424,160	197,364	2,100,238	55,800
1969	1,412,654	426,558	243,949	2,083,161	56,800
1970	1,390,455	420,500	276,363	2,087,318	58,400
1971	1,374,239	411,471	261,465	2,047,175	58,600
1972	1,460,589	424,100	321,337	2,206,026	64,200
1973	1,746,203	455,739	433,181	2,635,123	78,000
1974	2,276,214	584,951	449,279	3,310,444	99,600
1975	2,682,825	787,518	356,515	3,826,858	117,200
1976	3,208,064	959,736	366,487	4,534,287	141,300
1977	3,796,152	1,067,615	383,245	5,247,012	166,100
1978	4,708,606	1,203,453	541,724	6,453,783	208,200
1979	5,557,719	1,403,255	743,816	7,704,790	252,700
1980	6,756,356	1,618,569	824,099	9,199,024	306,700
1981	7,835,722	1,823,612	803,251	10,462,585	355,400
1982	7,264,908	2,053,501	781,709	10,100,118	344,800
1983	7,259,563	2,170,560	743,895	10,174,018	350,900
1984	7,022,385	2,209,997	771,638	10,004,020	345,000
1985	6,872,533	2,119,977	720,367	9,712,877	338,500
1986	6,584,281	2,231,149	717,610	9,533,040	348,800
1987	6,222,386	2,226,067	883,108	9,331,561	345,500
1988	5,817,154	2,337,187	847,008	9,001,349	337,400
1989	6,265,881	2,410,168	919,189	9,595,238	364,200
1990	6,863,831	2,477,942	996,057	10,337,830	397,700
1991	6,814,388	2,426,745	1,015,100	10,256,233	399,000
1992	6,853,938	2,398,924	1,043,520	10,296,382	403,800
1993	7,086,741	2,470,447	1,132,657	10,689,845	422,600
1994	7,363,090	2,663,559	1,196,070	11,222,719	449,000
1995	7,820,550	2,901,333	1,217,361	11,939,244	483,400
1996	8,446,194	2,986,555	1,114,652	12,547,401	514,600
1997^{R}	9,102,127	3,130,424	1,404,194	13,636,745	568,200
1998^{R}	9,450,885	3,333,582	1,403,466	14,187,933	598,600
1999^{R}	9,570,108	3,436,546	1,459,944	14,466,598	618,200
2000^{R}	9,763,695	3,415,001	1,691,515	14,870,211	675,900
2001^{R}	9,858,655	3,430,592	1,914,401	15,203,648	721,500
2002^{R}	9,980,415	3,473,558	1,657,375	15,111,348	726,500
2003^{P}	10,306,022	3,527,458	1,372,321	15,205,801	741,700

SOURCE: Statistics Canada, catalogue 21-603-UPE

CHART 26: Value of Farm Capital, 1971 – 2003



SOURCE: Statistics Canada

PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives

TABLE 169: Historical Outstanding Farm Debt

Year	Chartered Banks[1]	Federal Gov't Agencies[2]	Provincial Gov't Agencies	Credit Unions	Insurance, Trust, Loan Companies	Private Individuals & Others[3]	Advance Payment Programs	TOTAL[4]
	thousand dollars							
1971	128,000	132,136	66,293	21,713	5,561	61,255	7,849	422,807
1972	136,000	133,055	69,706	25,337	6,710	62,175	2,236	435,219
1973	179,000	142,845	70,671	34,246	7,195	64,039	1,221	499,217
1974	195,000	158,681	77,893	50,567	6,501	74,742	5,308	568,692
1975	250,000	176,202	70,579	57,407	5,976	94,487	1,446	656,097
1976	333,000	193,942	69,039	72,000	5,834	103,949	5,363	783,127
1977	405,000	221,644	73,428	80,656	5,834	115,828	20,178	922,568
1978	504,000	254,279	72,958	92,902	8,374	129,118	17,156	1,078,787
1979	630,000	282,363	96,670	121,100	9,330	136,360	219	1,276,042
1980	703,000	314,749	118,975	129,000	9,359	141,715	2,237	1,419,035
1981	726,000	350,676	148,185	113,000	18,400	182,650	31,581	1,570,492
1982	790,000	385,205	156,800	115,370	16,845	204,073	33,123	1,701,416
1983	780,000	433,121	179,200	165,214	10,718	219,049	35,228	1,822,530
1984	797,000	429,494	206,837	187,341	9,642	224,156	21,657	1,876,127
1985	849,000	411,699	217,525	211,790	8,556	234,076	40,148	1,972,794
1986	804,000	407,317	226,110	245,691	8,816	222,965	91,220	2,006,119
1987	677,433	395,022	230,274	270,968	8,816	232,252	105,926	1,920,691
1988	671,608	346,359	225,365	289,250	22,613	233,454	63,887	1,852,536
1989	655,313	306,463	219,189	305,500	22,613	233,454	12,825	1,755,357
1990	683,009	289,272	241,006	338,250	21,769	245,889	282,650	2,101,845
1991	653,166	293,227	231,123	344,000	21,769	245,889	200,089	1,989,263
1992	653,202	292,251	227,641	382,000	28,037	254,939	220,113	2,058,183
1993	675,908	302,755	212,951	412,750	28,482	243,711	143,104	2,019,661
1994	807,742	321,018	195,883	448,250	39,614	271,581	132,553	2,216,641
1995	907,864	366,733	204,177	493,500	32,310	293,592	123,681	2,421,856
1996	943,788	409,873	190,259	531,250	32,310	293,592	167,653	2,568,725
1997	1,097,382	467,689	183,713	571,250	24,363	336,441	133,096	2,813,934
1998	1,264,650	534,477	211,917	622,500	24,363	336,441	140,889	3,135,237
1999	1,537,437	577,688	248,807	533,291	24,538	378,987	199,491	3,500,239
2000	1,455,926	622,772	261,926	756,149	25,270	430,024	183,013	3,735,080
2001	1,487,569	690,489	274,206	863,606	29,578	414,922	174,384	3,934,754
2002[R]	1,677,875	742,424	271,054	981,826	37,855	405,598	132,800	4,249,432
2003	1,871,482	839,868	315,647	1,083,252	42,294	427,438	188,724	4,768,705

[1] Includes loans under F.I.L.A.
[2] Includes F.C.C., V.L.A. and F.B.D.B.
[3] Includes supply companies, dealers, stores and finance companies, and other unclassified services.
[4] Totals may not add due to rounding.
SOURCE: Statistics Canada

WEATHER

TABLE 170: Historical Weather Record for Winnipeg

Month	Mean Temperature Annual	Mean Temperature Normal	Precipitation Annual	Precipitation Normal	Hours of Sunshine Duration	Hours of Sunshine % of Possible*	Hours of Sunshine Normal
	°C	°C	mm	mm			
1960	2.8	2.6	396.0	500.9	2,428.9	54.1	2,119.7
1961	3.4	2.6	320.8	500.9	2,434.7	54.3	2,119.7
1962	2.2	2.5	723.4	516.9	2,226.5	49.6	2,171.5
1963	3.6	2.5	482.3	516.9	2,463.7	54.9	2,171.5
1964	2.1	2.5	459.7	516.9	2,348.7	52.3	2,171.5
1965	0.9	2.5	525.8	516.9	2,233.7	49.8	2,171.5
1966	0.7	2.5	459.5	516.9	2,319.7	51.7	2,171.5
1967	1.5	2.5	470.4	516.9	2,433.6	54.2	2,171.5
1968	2.1	2.5	652.0	516.9	2,174.0	48.5	2,171.5
1969	1.9	2.5	547.9	516.9	2,252.0	50.2	2,175.7
1970	1.4	2.3	601.0	516.9	2,260.7	50.4	2,175.7
1971	1.8	2.3	524.3	534.9	2,306.7	51.4	2,175.7
1972	0.7	2.3	423.7	534.9	2,403.8	53.6	2,231.5
1973	3.1	2.3	601.7	534.9	2,344.0	52.2	2,231.5
1974	1.6	2.3	509.6	534.9	2,426.2	54.1	2,231.5
1975	2.3	2.3	595.4	535.2	2,295.1	51.1	2,231.5
1976	2.3	2.3	427.7	535.2	2,580.4	57.5	2,231.5
1977	2.3	2.3	715.1	535.2	2,337.6	52.1	2,231.5
1978	1.5	2.3	461.5	535.2	2,491.8	55.5	2,231.5
1979	0.7	2.3	471.5	535.2	2,275.9	50.7	2,231.5
1980	2.6	2.3	405.3	535.2	2,485.8	55.4	2,231.5
1981	4.4	2.3	479.7	535.2	2,433.2	54.2	2,231.5
1982	1.9	2.2	483.6	525.5	2,388.4	53.2	2,321.4
1983	3.5	2.2	479.4	525.5	2,280.1	50.8	2,321.4
1984	3.3	2.2	606.3	525.5	2,365.5	52.7	2,321.4
1985	1.4	2.2	546.5	525.5	2,339.7	52.1	2,321.4
1986	3.1	2.2	471.0	525.5	2,353.4	52.5	2,321.4
1987	5.5	2.2	458.5	525.5	2,304.7	51.4	2,321.4
1988	3.6	2.2	380.5	525.5	2,585.3	57.6	2,321.4
1989	1.8	2.2	440.9	525.5	2,565.0	57.2	2,321.4
1990	3.2	2.2	393.0	525.5	2,560.2	57.1	2,321.4
1991	3.5	2.2	618.1	525.5	2,359.7	52.6	2,321.4
1992	2.6	2.2	477.5	525.5	1,957.8	43.6	2,321.4
1993	2.1	2.4	621.3	504.6	2,104.1	46.9	2,377.3
1994	2.9	2.4	680.2	504.6	2,419.6	53.9	2,377.3
1995	2.0	2.4	444.7	504.4	2,133.7	47.6	2,377.3
1996	0.1	2.4	673.8	504.6	2,394.7	53.4	2,377.3
1997	2.3	2.4	486.1	504.4	M	M	2,377.3
1998	4.7	2.4	518.3	504.6	M	M	2,377.3
1999	4.3	2.4	530.5	504.6	2,151.8	48.0	2,377.3
2000	2.7	2.4	699.8	504.6	2,178.2	48.5	2,377.3
2001	3.8	2.4	541.7	504.6	2,176.9	48.5	2,377.3
2002	2.5	2.3	471.5	519.9	NA	NA	2,377.3
2003	2.9	2.6	410.0	515.6	NA	NA	2,371.9

* Based on 4,486.7 hours of possible sunshine annually. P.S.: data no longer collected.

SOURCE: Atmospheric Environment Service, Environment Canada

TABLE 171: Historical Monthly Temperatures at Winnipeg

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANNUAL
	degrees celcius												
Normal	-18.3	-15.1	-7.0	3.8	11.6	17.0	19.5	18.5	12.3	5.3	-5.3	-14.4	**2.3**
	mean temperatures												
1960	-16.6	-14.2	-10.6	2.1	13.0	16.4	21.1	20.0	13.8	6.8	-3.8	-14.7	**2.8**
1961	-16.8	-11.3	-4.1	1.1	11.4	20.0	20.2	21.6	11.3	6.6	-3.0	-16.6	**3.4**
1962	-20.1	-19.6	-7.9	0.3	10.8	18.4	18.7	18.5	12.2	8.2	-1.5	-12.1	**2.2**
1963	-20.3	-16.7	-5.4	4.9	9.9	19.0	21.8	19.6	14.7	12.8	-1.5	-16.1	**3.6**
1964	-14.6	-12.7	-12.0	4.8	12.4	15.3	20.7	16.5	11.0	6.5	-4.4	-18.7	**2.1**
1965	-21.6	-17.8	-13.8	3.3	10.3	16.9	18.0	17.3	8.0	7.1	-7.3	-9.9	**0.9**
1966	-26.7	-18.9	-5.5	1.2	8.8	17.4	20.7	17.9	13.6	5.1	-9.8	-15.7	**0.7**
1967	-17.3	-21.1	-8.8	0.4	8.1	15.8	18.7	17.5	15.7	4.4	-3.6	-11.7	**1.5**
1968	-18.4	-17.2	-3.8	3.8	9.3	15.3	17.6	15.5	13.7	5.7	-2.4	-14.7	**2.1**
1969	-21.9	-13.9	-10.8	5.9	10.5	12.3	18.5	20.9	12.7	2.5	-3.3	-10.2	**1.9**
1970	-19.9	-16.2	-13.1	1.4	9.3	18.9	20.5	18.9	12.8	6.0	-4.7	-17.3	**1.4**
1971	-22.5	-13.9	-6.7	3.2	10.1	17.6	16.4	18.8	13.3	6.3	-5.6	-15.2	**1.8**
1972	-22.0	-19.3	-27.5	3.2	14.6	17.3	17.1	18.5	10.3	2.4	-6.7	-19.2	**0.7**
1973	-14.0	-13.9	0.5	2.2	10.6	16.2	18.3	19.9	12.0	7.8	-7.5	-15.8	**3.1**
1974	-22.4	-17.6	-11.2	1.8	8.6	17.1	21.9	16.7	9.8	5.9	-3.3	-8.6	**1.6**
1975	-15.9	-16.7	-10.8	2.2	12.2	16.9	21.5	16.7	10.9	6.9	-2.0	-14.1	**2.3**
1976	-18.1	-11.6	-10.0	6.0	11.8	18.3	19.7	19.3	13.3	2.9	-5.9	-18.5	**2.3**
1977	-18.3	-15.7	-8.1	3.3	10.6	16.5	19.7	18.7	12.6	6.6	-4.4	-13.7	**2.3**
1978	-21.1	-17.7	-8.2	3.4	14.5	16.1	18.9	17.4	14.6	6.3	-8.4	-17.8	**1.5**
1979	-22.5	-22.0	-9.9	-0.6	7.3	16.2	20.9	16.4	13.0	4.3	-5.0	-9.8	**0.7**
1980	-18.8	-15.9	-10.0	7.9	15.7	16.8	20.4	16.9	11.2	4.1	-2.0	-15.5	**2.6**
1981	-14.1	-10.1	-1.0	4.6	10.9	16.0	20.3	20.1	12.4	5.3	1.0	-12.9	**4.4**
1982	-25.2	-14.5	-7.3	2.7	13.4	13.6	20.0	16.8	12.2	6.2	-5.8	-9.9	**1.9**
1983	-12.4	-10.5	-4.7	3.2	8.3	17.1	22.2	22.5	12.9	5.6	-1.9	-20.3	**3.5**
1984	-16.7	-6.8	-7.1	7.2	10.1	17.0	19.6	21.0	10.6	6.4	-4.9	-17.6	**3.3**
1985	-17.8	-16.9	-2.8	6.3	13.1	14.0	18.8	16.3	10.0	5.1	-11.9	-17.7	**1.4**
1986	-13.1	-15.0	-4.4	4.5	14.0	16.8	19.5	17.5	11.7	5.4	-9.6	-10.1	**3.1**
1987	-11.8	-6.4	-4.7	8.8	14.8	19.0	20.0	17.2	14.1	3.4	-0.8	-8.2	**5.5**
1988	-18.2	-15.7	-4.5	5.1	14.6	22.0	21.1	20.1	12.6	3.8	-4.4	-12.8	**3.6**
1989	-15.8	-18.5	-10.2	2.6	13.7	16.5	22.1	19.5	13.6	5.8	-7.7	-19.8	**1.8**
1990	-11.6	-14.6	-4.1	2.8	10.3	17.6	19.2	20.0	13.9	5.1	-4.3	-16.4	**3.2**
1991	-18.9	-10.0	-5.4	7.2	14.5	18.9	19.7	20.9	12.0	1.9	-8.5	-10.9	**3.5**
1992	-11.5	-10.1	-4.3	2.5	12.5	14.9	15.9	16.4	11.0	5.0	-4.7	-16.6	**2.6**
1993	-16.6	-14.8	-5.5	4.3	11.2	15.5	17.7	17.9	10.3	3.1	-5.6	-12.7	**2.1**
1994	-23.1	-17.8	-2.4	3.5	12.4	17.9	18.2	16.6	14.2	8.1	-1.8	-11.0	**2.9**
1995	-16.1	-16.2	-5.2	0.5	10.6	20.2	19.6	20.0	12.4	4.6	-10.6	-16.4	**2.0**
1996	-22.8	-15.1	-13.0	-1.6	9.3	18.6	18.9	19.2	13.0	5.3	-11.9	-18.4	**0.1**
1997	-19.9	-13.8	-10.5	-0.8	8.1	18.7	19.6	17.9	14.2	5.1	-5.7	-5.3	**2.3**
1998	-14.7	-4.6	-5.5	7.9	12.3	15.6	19.2	20.7	14.1	6.7	-3.2	-12.7	**4.7**
1999	-17.7	-8.0	-2.4	6.8	12.0	16.1	19.1	18.1	11.2	4.3	0.6	-8.7	**4.3**
2000	-17.3	-8.9	-0.1	4.0	10.9	14.5	19.3	18.8	11.6	6.5	-5.4	-22.0	**2.7**
2001	-12.6	-18.4	-6.2	5.2	12.8	16.2	20.4	19.3	13.7	4.3	0.9	-10.5	**3.8**
2002	-14.6	-10.0	-11.7	1.9	8.0	17.8	20.8	18.2	13.8	-0.5	-5.6	-8.5	**2.5**
2003	-15.5	-19.4	-8.2	5.4	12.6	16.7	19.4	21.6	12.6	6.6	-7.2	-9.7	**2.9**

SOURCE: Atmospheric Environment Service, Environment Canada.

TABLE 172: Historical Monthly Precipitation in Winnipeg

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANNUAL
	millimetres												
1960...	18	11	31	50	34	55	17	78	24	47	12	19	**396.0**
1961...	3	42	14	43	10	3	84	4	58	25	4	31	**321.0**
1962...	22	40	30	17	132	54	155	173	16	18	55	11	**723.0**
1963...	7	29	18	90	66	87	54	53	16	20	15	27	**482.0**
1964...	17	5	50	54	34	119	22	71	35	6	16	31	**460.0**
1965...	6	14	14	65	91	60	80	34	65	14	44	38	**525.0**
1966...	9	10	41	47	38	36	86	105	18	22	26	21	**459.0**
1967...	21	9	17	73	28	50	111	57	23	45	15	21	**470.0**
1968...	21	5	13	32	99	83	144	143	59	40	4	9	**652.0**
1969...	48	9	10	25	77	105	101	57	61	27	9	19	**548.0**
1970...	23	15	27	65	87	50	70	75	112	27	27	23	**601.0**
1971...	11	4	44	60	47	76	115	17	50	72	22	6	**524.0**
1972...	16	10	20	13	29	50	60	103	61	25	10	25	**422.0**
1973...	3	6	14	21	103	88	123	66	82	37	40	19	**602.0**
1974...	39	11	15	59	156	18	32	110	46	5	6	13	**510.0**
1975...	46	16	19	45	48	120	58	133	42	38	13	17	**595.0**
1976...	30	23	23	32	10	183	37	59	10	2	1	18	**428.0**
1977...	12	21	10	5	178	88	85	90	148	30	29	19	**715.0**
1978...	10	8	11	23	123	51	61	18	83	10	43	21	**462.0**
1979...	9	20	45	73	93	65	23	76	25	16	15	11	**471.0**
1980...	34	17	13	0	8	45	24	110	86	33	25	11	**406.0**
1981...	23	3	15	13	48	90	39	104	72	60	6	7	**480.0**
1982...	26	8	36	13	23	54	107	59	58	62	6	32	**484.0**
1983...	13	15	66	6	29	139	30	85	53	22	16	6	**480.0**
1984...	12	8	12	47	30	228	38	21	62	99	27	22	**606.0**
1985...	11	13	7	16	64	67	34	218	29	29	44	14	**546.0**
1986...	9.6	12.9	16.9	98.3	25.2	59.2	118.0	17.0	47.5	11.6	48.4	6.4	**471.0**
1987...	10.4	40.8	13.3	0.8	31.6	55.2	130.1	97.1	20.0	33.4	11.2	14.6	**458.5**
1988...	8.8	10.7	24.2	0.8	29.9	94.9	70.8	8.5	61.3	26.8	21.3	22.5	**380.5**
1989...	52.2	5.6	20.0	15.9	26.0	150.2	33.4	76.6	10.0	16.6	17.4	17.0	**440.9**
1990...	24.4	9.1	32.8	19.8	29.7	143.1	33.2	16.9	31.5	8.8	19.6	24.1	**393.0**
1991...	15.2	13.8	27.6	79.3	68.7	131.2	51.2	6.2	89.4	74.1	29.4	32.0	**618.1**
1992...	14.0	11.8	19.0	35.8	19.8	58.5	110.7	78.4	90.2	2.8	39.4	29.2	**509.6**
1993...	14.0	0.2	9.7	24.2	34.8	78.8	193.4	190.8	22.4	19.8	20.2	13.0	**621.3**
1994...	14.0	5.2	6.0	21.4	69.7	80.0	148.3	123.0	69.6	87.6	36.2	19.2	**680.2**
1995...	19.6	9.6	28.5	9.0	50.4	33.2	29.2	125.5	34.4	41.6	44.6	19.1	**444.7**
1996...	22.6	36.8	34.2	53.6	84.2	83.8	97.3	85.5	49.8	27.4	58.4	40.2	**673.8**
1997...	22.8	9.8	19.5	76.6	56.0	32.2	83.0	58.4	36.2	72.0	15.5	4.1	**486.1**
1998...	32.0	50.2	9.9	38.6	100.0	59.5	38.7	95.2	10.6	59.2	5.0	19.4	**518.3**
1999...	17.3	14.3	20.3	51.0	97.0	84.2	69.8	61.0	57.2	26.6	6.2	24.8	**529.7**
2000...	17.2	30.0	31.0	4.4	53.1	177.4	122.6	67.3	63.6	30.4	75.0	27.8	**699.8**
2001...	7.5	7.6	24.2	24.8	110.5	86.5	150.3	63.0	22.2	14.1	10.8	20.2	**541.7**
2002...	15.9	5.0	15.9	38.3	54.8	76.4	81.2	89.4	42.5	17.3	22.6	12.2	**471.5**
2003...	12.5	10.5	18.5	33.0	78.5	42.5	44.5	72.0	38.5	18.5	13.5	28.0	**410.5**

SOURCE: Atmospheric Environment Service, Environment Canada.

TABLE 172: Precipitation in Winnipeg Continued

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANNUAL
	inches												
1960...	0.69	0.45	1.21	1.96	1.34	2.18	0.67	3.09	0.93	1.84	0.48	0.75	**15.59**
1961...	0.11	1.64	0.53	1.70	0.39	0.13	3.29	0.16	2.30	1.00	0.17	1.21	**12.63**
1962...	0.87	1.57	1.19	0.67	5.21	2.11	6.11	6.83	0.62	0.73	2.15	0.42	**28.48**
1963...	0.26	1.16	0.73	3.56	2.59	3.43	2.12	2.09	0.63	0.79	0.58	1.05	**18.99**
1964...	0.66	0.20	1.98	2.14	1.34	4.69	0.88	2.80	1.36	0.23	0.62	1.20	**18.10**
1965...	0.22	0.55	0.53	2.55	3.60	2.37	3.15	1.36	2.55	0.57	1.74	1.51	**20.70**
1966...	0.37	0.41	1.61	1.85	1.50	1.41	3.38	4.14	0.71	0.85	1.03	0.83	**18.09**
1967...	0.81	0.37	0.69	2.86	1.11	1.98	4.37	2.25	0.89	1.78	0.58	0.83	**18.52**
1968...	0.84	0.19	0.52	1.27	3.90	3.26	5.66	5.63	2.31	1.59	0.15	0.35	**25.67**
1969...	1.87	0.34	0.39	1.00	3.02	4.13	3.99	2.25	2.40	1.07	0.37	0.74	**21.57**
1970...	0.90	0.59	1.08	2.57	3.41	1.99	2.74	2.95	4.41	1.05	1.05	0.92	**23.66**
1971...	0.42	0.18	1.72	2.37	1.85	2.99	4.53	0.67	1.96	2.84	0.88	0.23	**20.64**
1972...	0.63	0.41	0.79	0.51	1.14	1.98	2.37	4.06	2.41	0.97	0.41	1.00	**16.68**
1973...	0.10	0.25	0.54	0.83	4.06	3.47	4.84	2.58	3.23	1.46	1.58	0.75	**23.69**
1974...	1.54	0.44	0.60	2.31	6.14	0.70	1.26	4.32	1.81	0.21	0.22	0.51	**20.06**
1975...	1.80	0.61	0.74	1.80	1.86	4.73	2.29	5.22	1.64	1.50	0.51	0.67	**23.37**
1976...	1.17	0.91	0.91	1.24	0.41	7.19	1.45	2.32	0.39	0.10	0.03	0.72	**16.84**
1977...	0.49	0.82	0.39	0.20	7.00	3.48	3.36	3.53	5.83	1.19	1.12	0.74	**28.15**
1978...	0.40	0.30	0.45	0.90	4.83	2.03	2.38	0.73	3.25	0.40	1.68	0.82	**18.17**
1979...	0.35	0.79	1.78	2.89	3.67	2.56	0.91	3.00	0.98	0.61	0.58	0.44	**18.56**
1980...	1.34	0.69	0.52	0	0.31	1.77	0.93	4.32	3.37	1.30	0.98	0.43	**15.96**
1981...	0.91	0.13	0.57	0.50	1.87	3.56	1.54	4.08	2.85	2.35	0.23	0.29	**18.88**
1982...	1.01	0.31	1.41	0.52	0.92	2.13	4.21	2.32	2.29	2.44	0.22	1.25	**19.03**
1983...	0.50	0.59	2.58	0.25	1.15	5.48	1.17	3.35	2.08	0.85	0.64	0.22	**18.86**
1984...	0.48	0.31	0.46	1.85	1.17	8.97	1.51	0.85	2.44	3.90	1.05	0.88	**23.87**
1985...	0.44	0.53	0.28	0.63	2.52	2.64	1.34	8.58	1.14	1.14	1.73	0.55	**21.52**
1986...	0.38	0.51	0.67	3.87	0.99	2.33	4.65	0.67	1.87	0.46	1.91	0.25	**18.56**
1987...	0.41	1.61	0.52	0.03	1.24	2.17	5.12	3.82	0.79	1.31	0.44	0.57	**18.03**
1988...	0.35	0.42	0.95	0.03	1.18	3.74	2.79	0.33	2.41	1.06	0.84	0.89	**14.99**
1989...	2.06	0.22	0.79	0.63	1.02	5.91	1.31	3.02	0.39	0.65	0.69	0.67	**17.36**
1990...	0.96	0.36	1.29	0.78	1.17	5.63	1.31	0.67	1.24	0.35	0.77	0.95	**15.48**
1991...	0.60	0.54	1.09	3.12	2.70	5.17	2.02	0.24	3.52	2.92	1.16	1.26	**24.34**
1992...	0.55	0.46	0.75	1.41	0.78	2.30	4.35	3.08	3.54	0.11	1.55	1.15	**20.03**
1993...	0.55	0.01	0.38	0.95	1.37	3.10	7.60	7.50	0.88	0.78	0.79	0.51	**24.42**
1994...	0.55	0.20	0.24	0.84	2.74	3.15	5.84	4.84	2.74	3.45	1.43	0.76	**26.78**
1995...	0.77	0.38	1.12	0.35	1.98	1.31	1.15	4.94	1.35	1.64	1.76	0.75	**17.51**
1996...	0.89	1.45	1.35	2.11	3.32	3.30	3.83	3.37	1.96	1.08	2.30	1.58	**26.53**
1997...	0.90	0.39	0.77	3.02	2.20	1.27	3.27	2.30	1.43	2.83	0.61	0.16	**19.14**
1998...	1.26	1.98	0.39	1.52	3.94	2.34	1.52	3.75	0.42	2.33	0.20	0.76	**20.41**
1999...	0.68	0.56	0.80	2.01	3.82	3.32	2.75	2.40	2.25	1.05	0.24	0.98	**20.85**
2000...	0.68	1.18	1.22	0.17	2.09	6.98	4.83	2.65	2.50	1.20	2.95	1.09	**27.55**
2001...	0.30	0.30	0.95	0.98	4.35	3.41	5.92	2.48	0.87	0.55	0.42	0.80	**21.33**
2002...	0.63	0.20	0.63	1.51	2.16	3.01	3.20	3.52	1.67	0.68	0.89	0.48	**18.56**
2003...	0.49	0.41	0.73	1.30	3.09	1.67	1.75	2.84	1.52	0.73	0.53	1.10	**16.16**

SOURCE: Atmospheric Environment Service, Environment Canada.

TABLE 173: Historical Monthly and Annual Degree-Days*, Winnipeg

Year	Month	Cooling (above 18°C)	Normal	Growing (above 5°C)	Normal	Heating (below 18°C)	Normal
2003	January					1,038.9	1,109.3
	February					1,046.0	893.8
	March			2.9	1.7	812.7	746.1
	April		0.7	83.5	58.7	377.7	421.6
	May	2.4	14.6	238.6	225.1	168.4	200.1
	June	23.2	37.5	350.2	359.9	63.0	67.7
	July	60.7	68.3	446.9	450.5	16.8	20.9
	August	130.7	56.4	513.9	418.0	19.8	41.3
	September	17.9	7.9	234.6	221.9	178.9	178.8
	October		0.2	106.4	66.5	353.8	395.5
	November				4.1	754.6	698.0
	December					857.8	1,004.5
	Annual	**234.9**	**185.6**	**1,977.0**	**1,806.4**	**5,688.4**	**5,777.6**
2002	January					1,010.5	1,129.1
	February					783.1	936.2
	March				1.8	919.2	778.5
	April		0.7	41.0	54.1	482.9	428.6
	May	4.8	13.0	130.3	214.0	314.1	212.0
	June	50.2	37.5	383.2	359.9	57.0	67.7
	July	95.9	68.3	490.7	450.5	8.2	20.9
	August	43.3	56.4	410.4	418.0	35.9	41.3
	September	12.9	7.9	267.4	221.9	140.3	178.8
	October		0.2	11.0	66.5	573.7	395.5
	November				4.1	705.8	698.0
	December					822.0	1,004.5
	Annual	**207.1**	**184.0**	**1,734.0**	**1,790.8**	**5,852.7**	**5,891.1**
2001	January					949.0	1,129.1
	February					1,017.0	936.2
	March				1.8	749.0	778.5
	April	1.7	0.7	71.3	54.1	387.4	428.6
	May	2.8	13.0	239.7	214.0	166.1	212.0
	June	29.7	36.8	336.3	357.8	83.4	69.0
	July	92.6	73.1	477.1	457.6	18.5	18.5
	August	72.2	56.4	443.8	413.6	31.4	45.7
	September	12.1	9.2	260.8	224.0	142.3	178.6
	October		0.3	45.2	74.9	424.9	380.9
	November			11.2	4.3	512.9	683.3
	December					882.8	1,013.7
	Annual	**211.1**	**189.5**	**1,885.4**	**1,802.1**	**5,364.7**	**5,874.1**
2000	January					1,093.3	1,129.1
	February					780.1	936.2
	March			15.6	1.8	559.7	778.5
	April		0.7	65.4	54.1	420.4	428.6
	May		13.0	185.5	214.0	218.8	212.0
	June	7.5	36.8	285.4	357.8	112.1	69.0
	July	69.9	73.1	444.9	457.6	28.0	18.5
	August	57.6	56.4	429.1	413.6	31.5	45.7
	September	2.1	9.2	207.1	224.0	193.1	178.6
	October		0.3	82.7	74.9	358.3	380.9
	November			5.3	4.3	699.8	683.3
	December					1,240.7	1,013.7
	Annual	**137.1**	**189.5**	**1,721.0**	**1,802.1**	**5,735.8**	**5,874.1**

Year	Month	Cooling (above 18°C)	Normal	Growing (above 5°C)	Normal	Heating (below 18°C)	Normal
1999	January					1,106.1	1,129.1
	February					727.5	936.2
	March			3.3	1.8	632.4	778.5
	April		0.7	99.1	54.1	336.3	428.6
	May	6.5	13.0	220.0	214.0	192.8	212.0
	June	25.6	36.8	332.2	357.8	83.4	69.0
	July	58.7	73.1	437.5	457.6	24.2	18.5
	August	40.5	56.4	407.8	413.6	35.7	45.7
	September		9.2	186.1	224.0	204.7	178.6
	October		0.3	28.5	74.9	424.1	380.9
	November			10.3	4.3	522.2	683.3
	December					826.3	1,013.7
	Annual	**131.3**	**189.5**	**1,724.8**	**1,802.1**	**5,115.7**	**5,874.1**

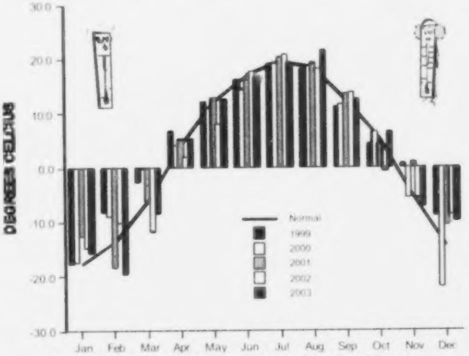
		Degree-Days Above					Degree-Days Below	
		24°C	18°C	10°C	5°C	0°C	0°C	18°C
1998	January						453.8	1,011.8
	February					11.1	140.3	633.2
	March				4.1	32.8	203.6	728.8
	April			34.3	103.5	236.6		303.4
	May		0.8	92.3	228.1	381.2		177.6
	June		25.3	184.7	319.1	460.1		96.2
	July	4.5	63.1	286.2	441.2	596.2		24.9
	August	0.4	85.6	330.3	485.3	640.3		3.3
	September	0.6	12.0	133.5	273.2	423.2		128.8
	October			11.0	71.4	206.1		351.9
	November				0.2	14.3	108.6	634.3
	December				0.1	5.4	400.6	953.2
	Annual	**5.5**	**186.8**	**1,072.3**	**1,926.2**	**3,016.3**	**1,276.9**	**5,047.9**
1997	January						618.7	1,176.7
	February						387.8	891.8
	March					2.5	326.7	882.2
	April				11.3	75.9	99.3	563.4
	May		3.2	41.0	118.1	251.2	0.6	310.6
	June	0.1	49.4	248.8	412.9	562.9		26.5
	July	1.0	77.9	290.0	450.7	605.7		30.2
	August	1.1	40.2	231.9	398.5	553.5		44.7
	September		12.1	133.3	275.5	425.5		126.6
	October			26.6	87.3	181.2	23.5	400.3
	November					2.4	173.1	710.7
	December					3.3	167.7	722.4
	Annual	**2.2**	**182.8**	**971.6**	**1,754.3**	**2,664.1**	**1,797.4**	**5,886.1**
1996	January						708.4	1,266.4
	February						438.0	960.0
	March					2.2	405.6	961.4
	April				5.2	40.0	88.7	588.7
	May		0.4	48.0	150.3	290.0		268.4
	June	10.5	71.8	248.2	406.7	556.7		55.1
	July	0.2	45.9	277.4	432.4	587.4		16.5
	August		55.7	287.5	442.5	597.5		16.2
	September		10.2	110.4	241.6	391.4		158.8
	October			14.9	63.2	182.6	16.1	391.5
	November					3.6	361.7	895.8
	December						569.1	1,127.1
	Annual	**10.7**	**184.0**	**986.4**	**1,741.9**	**2,651.4**	**2,587.6**	**6,705.9**

		Degree-Days Above					Degree-Days Below	
		24°C	18°C	10°C	5°C	0°C	0°C	18°C
1995	January						499.6	1,057.6
	February						452.5	956.5
	March				1.8	40.2	199.8	717.6
	April				8.7	78.7	65.7	527.0
	May	0.5	13.9	79.7	176.9	327.5		244.4
	June	22.9	108.4	308.9	456.5	606.5		41.9
	July	2.9	60.2	299.1	454.1	609.1		9.1
	August	6.7	76.0	309.9	464.9	619.9		14.1
	September		8.8	107.5	226.9	372.5		176.3
	October			8.7	43.1	152.4	8.9	414.5
	November					2.3	319.8	857.5
	December						510.3	1,068.3
	Annual	**33.0**	**267.3**	**1,113.8**	**1,832.9**	**2,809.1**	**2,056.6**	**6,084.8**
1994	January						716.8	1,274.8
	February						498.5	1,002.5
	March				0.6	29.9	103.2	631.3
	April			5.4	42.5	133.3	28.9	435.6
	May	0.3	10.7	106.4	233.6	385.1		183.6
	June		24.8	237.4	387.4	537.4		27.4
	July		34.4	253.6	408.6	563.6		28.8
	August		25.8	203.0	358.0	513.0		70.8
	September		9.7	133.5	276.0	426.0		123.7
	October			23.4	112.0	249.8		308.2
	November				0.3	40.1	94.8	594.7
	December					2.1	341.4	897.3
	Annual	**0.3**	**105.4**	**962.7**	**1,819.0**	**2,880.3**	**1,783.6**	**5,578.7**
1993	January						514.7	1,072.7
	February						415.7	919.7
	March					15.1	185.7	728.6
	April			2.0	29.5	132.9	4.3	411.4
	May		6.2	80.9	193.1	346.6		217.6
	June		26.9	165.4	313.8	463.8		103.1
	July		28.9	239.0	394.0	549.0		37.9
	August		36.1	243.2	398.2	553.2		40.9
	September			41.2	161.8	310.2		229.8
	October			0.3	29.3	111.9	17.8	463.9
	November					7.8	174.2	706.4
	December						394.0	952.0
	Annual	**0.0**	**98.1**	**772.0**	**1,519.7**	**2,490.5**	**1,706.4**	**5,884.0**

* Degree-days is the difference between the average temperature for a day and some reference temperature such as 5°C and 18°C.

SOURCE: Atmospheric Environment Service, Environment Canada.

CHART 27: Average Monthly Temperatures, Winnipeg, 1999 – 2003



SOURCE: Atmospheric Environment Service, Environment Canada.

PREPARED BY: Market Analysis & Statistics Section, Manitoba Agriculture, Food and Rural Initiatives.

TABLE 174: Historical Selected Seasonal Data

Year	Assiniboine River Entirely Clear of Ice at Winnipeg	Date Wheat Seeding Became General	Wheat Harvest Begun Generally	Ground Frozen So as to Stop General Field Work
1960	April 16	May 21	Aug. 19	Nov. 7
1961	April 21	May 15	Aug. 14	Nov. 5
1962	April 26	June 5	Sept. 3	Nov. 15
1963	April 12	June 1	Aug. 10	Nov. 20
1964	April 22	May 18	Aug. 17	Nov. 10
1965	April 16	May 26	Aug. 27	Nov. 7
1966	April 13	May 25	Aug. 23	Nov. 4
1967	April 23	May 20	Aug. 19	Nov. 21
1968	April 12	May 22	Aug. 27	Nov. 7
1969	April 19	May 21	Aug. 26	Nov. 11
1970	April 25	June 2	Aug. 25	Nov. 16
1971	April 19	May 18	Aug. 26	Oct. 30
1972	April 20	May 15	Aug. 29	Oct. 27
1973	April 5	May 10	Aug. 23	Oct. 30
1974	April 20	June 4	Sept. 10	Nov. 18
1975	April 18	May 16	Aug. 21	Nov. 20
1976	April 11	May 11	Aug. 14	Dec. 2
1977	April 12	May 10	Aug. 12	Nov. 22
1978	April 17	May 14	Aug. 31	Nov. 9
1979	April 25	June 7	Sept. 10	Nov. 22
1980	April 2	May 1	Aug. 26	Nov. 26
1981	April 2	May 2	Aug. 25	Nov. 28
1982	April 21	May 10	Aug. 30	Nov. 16
1983	April 7	May 11	Aug. 12	Nov. 17
1984	April 10	May 7	Aug. 9	Nov. 18
1985	April 4	May 5	Aug. 12	Nov. 19
1986	April 7	May 25	Aug. 26	Nov. 6
1987	April 5	May 5	Aug. 8	Nov. 9
1988	April 6	May 3	Aug. 8	Nov. 7
1989	April 8	May 9	Aug. 8	Nov. 16
1990	April 19	May 15	Aug. 14	Nov. 24
1991	April 9	May 7	Aug. 7	Nov. 3
1992	April 11	May 15	Aug. 14	Nov. 2*
1993	April 13	May 11	Sept. 14	Nov. 26
1994	April 9	May 6	Aug. 12	Nov. 18
1995	March 23	May 24	Aug. 15	Nov. 3*
1996	April 20	May 30	Aug. 15	Nov. 17
1997	April 23	May 15	Aug. 21	Nov. 6
1998	April 6	May 1	Aug. 10	Nov. 12
1999	April 9	May 3	Aug. 13	Dec. 3
2000	March 27	May 1	Aug. 11	Nov. 11
2001	April 19	May 28	Aug. 27	Nov. 28
2002	April 20	May21	Aug. 20	Nov. 9
2003	April 13	April 25	Aug. 10	Nov. 4

* Due to snow cover

SOURCE: Atmospheric Environment Service, Environment Canada

SOURCES AND METHODS

A large percentage of the material presented in this Yearbook for the current year is based on preliminary estimates derived from sample data. Revisions of estimates made in previous Yearbooks are included in this report. The statistics program of Manitoba Agriculture, Food and Rural Initiatives, a major source of material for the Yearbook, involves close cooperation with Statistics Canada and coordination of information from many sources, including the Canadian Grain Commission, Agriculture and Agri-Food Canada, other government and private agencies and business firms dealing in farm products and supplies. Farmers contribute through livestock and crop reporting, as do staff members of Manitoba Agriculture, Food and Rural Initiatives. Basic data from Statistics Canada are derived from surveys in cooperation with Manitoba Agriculture, Food and Rural Initiatives. Survey samples vary from one percent to ten percent of farmers, depending on the type of information required.

Data for agricultural regions in the Yearbook can be supplemented by more detailed data for municipalities from the Census of Agriculture. The Census also provides some information on features of agriculture not covered in this Yearbook. Census division and agricultural region boundaries were changed in 1976 and Statistics Canada's estimates of crop production using the new boundaries were first made in 1977. Thus, small area estimates since 1977 are not comparable with earlier data.

Some figures may not add up due to rounding.

CROPS

Total Value of Production. This includes all crops grown on farms in the current year for sale, feed, seed and home consumption at prevailing market prices during the crop year. Disposal of these crops for various uses in the current or subsequent years may have very little effect on the total value. With few exceptions, production value of each crop represents value to the producer. Prior to 1981, the farm value for grains, oilseeds and other crops was calculated from imperial data. For 1981 and beyond, the calculation is made from metric data.

Prices. Prices used to calculate production value for most crops are those farmers receive at the shipping point. This is regarded as farm value because freight, handling and other marketing charges are deducted. Transportation costs incurred by farmers in delivering grain to elevators are included with farm expenses. Average prices for all crops are estimated final prices, based on Manitoba Agriculture, Food and Rural Initiatives market outlook work. As a result, production value is more comparable with previous years, since initial payments would grossly underestimate crop value. Prices are subject to revision after all relevant sales and payments have been made. Small revisions will be necessary in current prices of crops when more information on sales and payments is available.

Areas. Most crop areas are estimated by Statistics Canada in cooperation with Manitoba Agriculture, Food and Rural Initiatives. Agricultural region estimates beginning in 1994 utilize Manitoba Crop Insurance Corporation data. Minor crops, such as forage seeds and caraway are estimated through contacts with dealers, processors and Department staff and/or through administrative data. Estimates, in most cases, for harvested area and yields are based on the land harvested. Prior to 1986, the mixed grain area may have included some area cut for silage, with offsetting seeded area yield adjustments. Prior to 1991, the tame hay area may have included hay cut for silage, as well as some forage seed area.

Yields. Most crop yields are derived from Statistics Canada surveys, in cooperation with Manitoba Agriculture, Food and Rural Initiatives, and from provincial crop insurance data. A number of minor crops are estimated mainly by Manitoba Agriculture, Food and Rural Initiatives and revised as market data require. In some cases, yield multiplied by area may not exactly equal production, due to the rounding of one or more of the three items.

Wheat. Quality data were obtained from the Canadian Grain Commission, the Canadian Wheat Board and/or from provincial crop insurance data. Initial payments to producers were reported by the Wheat Board. Thunder Bay selling prices were recorded by the Canadian Grain Commission. Marketing data were provided by the Canadian Grain Commission and Statistics Canada. Such data were also published by Statistics Canada in the Cereals and Oilseeds Review (22-007 monthly) and the Grain Trade of Canada (22-201 annual).

Barley. Distribution by grades and initial payments have the same sources as wheat. Since private firms, in addition to the Wheat Board, sell barley, terminal elevator selling prices are Winnipeg Commodity Exchange cash quotations. Marketing data are from the same sources as wheat.
Oats, Flaxseed, Canola and Other Crops. These were treated, for the most part, similarly to the cereal grains. Regional data were not always available but verbal description was used when possible. **Sugar beets** were based on a harvested area basis. Values were at the factory level, obtained from Rogers Sugar Ltd., which ceased operation in early 1997. **Forage seed** data are from the forage specialist, Manitoba Agriculture, Food and Rural Initiatives and the Manitoba Forage Seed Association check-off sales reports. The value of forage corn is estimated based on a dry matter value of hay and grain corn. **Wild rice** data are from the Canada Wild Rice Council.

Horticultural Crops. Included are vegetables, potatoes, fruit and ornamentals. The commercial vegetable area and prices are estimated jointly by Statistics Canada and Manitoba Agriculture, Food and Rural Initiatives. The processing potato marketing data were obtained from the processors. Different levels of prices are used with respect to processing, fresh market and seed potatoes to arrive at the total value. Other horticultural values, including vegetables, fruit and ornamentals, also are derived in consultation with Peak of the Market, producers, processors, nurseries, sod farmers and the provincial horticulturists.

Pedigreed Seed. Because of its importance to Manitoba agriculture, the area seeded to this type of crop is given in detail. These figures are included in the estimates of total production of cereals, grasses and other crops. A portion of this seed is used in the province and part is exported. These are not included in the records of commercial marketings through elevators, but are considered in the total value of crop production.

LIVESTOCK

The production value of **cattle and hogs** includes commercial marketings and inventory change. A gain in numbers on farms is a part of production, but a decline during the year is a loss in production. Inventory figures are from Statistics Canada surveys. Animals in the category "local slaughterings" are those farmers kill and eat, kill and sell, or sell locally for non-plant slaughter and consumption. These animals, as well as commercial marketings, are a part of production. Inshipments are those animals brought in from other provinces, usually Saskatchewan and Alberta. To avoid double counting in the value of production, inshipments are deducted. Commercial marketings include slaughter of Manitoba-origin livestock and estimates of direct exports to other provinces, the United States and other countries. Prices of all classes of livestock marketed are taken from Canfax and Manitoba Agriculture, Food and Rural Initiatives. From these figures, the average dollar value per animal is calculated and applied to animals marketed.

Slaughter and Quality. Data for cattle and hogs are obtained principally from Canadian Food Inspection Agency, Agriculture and Agri-Food Canada and Manitoba Agriculture, Food and Rural Initiatives.

Sheep. Sources are the same as those for cattle and hogs. The production calculation is based on an estimate of the number of lambs produced during the year. Wool data are from Statistics Canada.

Dairy. Production figures are obtained from Statistics Canada publication 23-001 and Manitoba Milk Producers. The supplementary payments are not allocated to the different classes of milk but are added in the total value of dairy production.

Poultry. Production and marketing information is derived from Statistics Canada catalogue No. 23-202, and information provided by the various poultry producer agencies. Duck and geese marketings and prices are estimated by Manitoba Agriculture, Food and Rural Initiatives based on information from processors and the number of birds on farms.

Other Livestock. Information on PMU operations are obtained from Ayerst Organics Ltd., while current data on other livestock species are derived from information provided by producer associations, Agriculture and Agri-Food Canada, Statistics Canada and Manitoba Agriculture, Food and Rural Initiatives staff.

OTHER PRODUCTS

Honey, Beeswax and Bees. Production estimates are made cooperatively by Statistics Canada and Manitoba Agriculture, Food and Rural Initiatives.

Fur. Data for fur farms and on wildlife pelts are obtained from Statistics Canada's publication 23-603E.

Forest. Products are those listed as sales in Statistics Canada farm income estimates.

RESOURCES

Most resource information for Census years is from Statistics Canada, Agriculture Division.

Farm Numbers. These are taken from the Census according to the current definition of a farm. In 1966 and 1971, a farm was defined as an agricultural holding of 0.40469 hectares (one acre) or more with sales during the previous twelve months of $50.00 or more. Previous definitions were less restrictive. The 1981 and 1986 Census definitions refer to agricultural holdings with sales of agricultural products during the past twelve months of $250.00 or more, while in 1991 and 1996, the Census farm is defined as an agricultural holding which produces agricultural products for sale. Farm estimates for intervening years are unofficial estimates by Manitoba Agriculture, Food and Rural Initiatives.

Labour Force. Statistics are from Statistics Canada's Census of Population and Census of Agriculture. Wages come from Statistics Canada.

Machinery. Sales data were from the Canadian Farm and Industrial Equipment Institute, but are no longer available.

Fertilizer. Sales data are from the Western Canada Fertilizer Association and Agriculture & Agri-Food Canada.

LAND VALUES

Data are obtained from Statistics Canada.

FARM INPUT PRICE INDEX

This index comes from Statistics Canada and measures the price changes of goods and services purchased by farmers for use in agricultural production. Items included are weighted according to relative importance and grouped according to farm use.

The groups in the Farm Input Price Index consist of the following sub groups or items.

Building and Fencing. Building and fencing includes building replacement and repairs (materials and labour) and fencing construction and repairs.

Machinery and Motor Vehicles. Machinery and motor vehicles includes tractors, combines, ploughs, disc harrows, grain drills, manure spreaders, balers, automobiles and trucks, petroleum products, maintenance, licence and motor vehicle insurance.

Crop Production. Crop production includes grains, legumes and grass, seed, fertilizer, pesticides, twine and crop insurance.

Animal Production. Animal production includes feeder livestock, cattle, hogs, chicks and turkey poults, feed (prepared and grain feed), artificial insemination and veterinary services.

Supplies and Services. Supplies and services includes small tools, electricity, telephone and custom work.

Hired Labour. Hired labour includes hourly, daily and monthly rates.

FARM PRODUCT PRICE INDEX

The Farm Product Price Index (FPPI), formerly called Index Numbers of Farm Prices of Agricultural Products, gives a measure of the change over time in the prices received by farmers for agricultural commodities at the first point of sale. The Index is calculated by Statistics Canada and is based on products accounting for about 95 percent of total farm cash receipts.

The Farm Product Price Index (FPPI) was reformulated in 2000 to capture the continual shift in agriculture commodities produced and sold. It also introduces the seasonal basket concept. The new index uses 1997 as the time base (1997 = 100) and covers more agriculture commodities. This FPPI replaces the old index, which was calculated until March 1996. The index was reconstructed back to January 1992 and is linked back to 1935.

INCOME

Cash and net farm income and expense data on a provincial basis are obtained from Statistics Canada's most recent published estimates.

Calculations on a per farm basis are made by Manitoba Agriculture, Food and Rural Initiatives and may not truly reflect exact averages. Census farms, as a basis, are not the only contributors to total sales. Small units, not called farms, do sell produce, but the amounts are minimal.

WEATHER DATA

These are obtained on a regular basis from the Environment Canada, Atmospheric Environment Service, Winnipeg Climate Centre, Room 1000, 266 Graham Avenue, Winnipeg, Manitoba, R3C 3V4.

Growing Degree-Days (GDD) extracted from Soil, Water & Climate: Agriculture Climate of the Eastern Canadian Prairies: HEAT: Heat Accumulations http://www.gov.mb.ca/agriculture/climate/waa01s06.html

Calculation of GDD is relatively straight forward: heat accumulated each day is determined by adding together the maximum and minimum temperatures and dividing the total by two to obtain a daily average. The base temperature specific to a given crop or insect is subtracted from this average. This value represents the daily heat useful to a crop or insect. Results greater than zero are added to determine the weekly, monthly or yearly GDD accumulated.

GDD can be used to:

- assess the suitability of a region for production of a particular crop;
- estimate the growth-stages of crops or life stages of insects;
- predict maturity and cutting dates of forage crops;
- estimate the heat stress on crops such as canola;
- help estimate the yields of cereals and canola, as well as the protein content of cereals and the oil content of canola; and
- as a planning tool for spacing planting dates to separate harvest dates in vegetable production.

METRIC CONVERSION FACTORS

1 acre = 43,560 square feet
1 hectare = 10,000 square metres (100 m X 100 m)
1 acre = 0.40469 hectares
1 hectare = 2.47105 acres
1 pound = 0.45359 kilograms
1 ounce = 28.35 grams
1 Imperial ton = 0.907185 tonnes
1 Imperial bushel = 0.036368 cubic metres
1 Imperial gallon = 4.546 litres
1 Imperial fluid ounce = 28.413 millilitres
1 foot = 0.3048 metres
1 inch = 2.54 centimetres
°C (Celsius) = 5/9 (°Fahrenheit - 32)
1 metric tonne = 1.102 Imperial tons
1 metric tonne = 2,204.6 pounds

Crop Metric Conversion Factors

Crop	Weight & Yield (bushels per tonne)
Wheat	36.744
Oats	64.842
Barley	45.930
Rye	39.368
Flaxseed	39.368
Canola	44.092
Soybeans	36.744
Corn	39.368
Peas, Beans	36.744
Buckwheat	45.930
Triticale	42.4
Safflower	58.6

Other crops are measured in pounds, tons, kilograms or tonnes; see conversions above.

ABBREVIATIONS

E Estimated.
NA Not available.
NQ Not quoted.
P Preliminary, subject to change.
R Revised.

Prepared by Manitoba Agriculture, Food and Rural Initiatives.

GROWING **Opportunities**

May 2005